DICE ELECTRONICS

DRIVE | LIVE | ACCESSORIZE

Welcome

DICE Electronics is a leading developer and manufacturer of connectivity solutions for consumer electronics into the automobile. Founded in the United States in 2005, DICE Electronics is a leading provider of OEM Integration products with a focus on portable device connectivity for the automotive environment.
DICE Electronics has a reputation for bringing innovative cutting edge products that connect portable electronics to the automobile keeping the driver's hands on the wheel and eyes on the road. We take pride in that our products are engineered, designed and marketed in the United States. We seek to deliver environmentally conscience products though a continuously evolving manufacturing process with high value placed on the concept of maintaining our surroundings with eco-friendly designs in packaging and component selection.

Today DICE Electronics has taken a leading role in developing market-driven solutions with in-house engineering and design, technology licensing and partnerships that contribute to the success of the product. Take advantage of our innovative products that are on the forefront for convergence of personal electronics devices into the automobile.

Welcome to a whole new world of in-vehicle connectivity brought to you by a team with a passion for innovation, DICE Electronics. Thank you for considering DICE Electronics for your in-vehicle connectivity needs.

For more information, contact DICE Electronics, **2650 Gundry Ave. Signal Hill, CA 90755**. General inquires can be directed to **(888) 342-3999** or **info@diceelectronics.com**

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integration for all

Vehicle Specific

Introducing MediaBridge. Providing Connectivity for Multiple Technologies
Bluetooth - iPod - iPhone - USB Flash Drive - SIRIUS Satellite Radio

MediaBridge, the next evolution in portable device connectivity. In addition to our already popular Silverline PRO that adds SMART mode to the selection of iPod operating modes, MediaBridge 1000 takes it to the next level with support for playing and navigating music on a USB Flash Drive and connecting SIRIUS Satellite Radio tuner. The MediaBridge 1500 adds to Bluetooth hands-free and audio streaming with selectable text-to-speech. MediaBridge provides connectivity to all the popular vehicle applications for Silverline Pro all fully functional and selectable from the factory radio.

Features Integration for iPod

CD-Quality Audio
Delivers high-fidelity CD-quality audio output from your iPod to your factory car stereo.

Integrated Controls
Allows you to control music from your iPod, or radio and steering wheel controls

Text Display
Displays the song title, album and artist name right on the screen of your radio.

iPod-like Browsing
Browse through all the available content like you would on your iPod

Charges iPod
Always keeps your iPod charged and ready to go.

AUX Input
Connect any external audio device including: aftermarket satellite radio, CD/DVD players and more.

Specifications Integration for iPod

Note: It is recommended that installation leaves module accessible to end-user.

- Designed and manufactured in the USA
- Standby current consumption: ~25mA
- Maximum current consumption: ~1A
- Storage temperature: 0-150F
- Operating ambient temperature: 30-120F

iPod/iPhone Ecosystem Integration for iPod

iPod
4th generation
20GB 40GB

iPod classic
80GB 160GB

iPod mini
4GB 6GB

iPod nano
5th gen. (video camera)
8GB 16GB 32GB

iPod
4th generation (color display)
20GB 30GB 40GB 60GB

iPod nano
1st generation
1GB 2GB 4GB

iPod nano
3rd generation (video)
4GB 8GB

iPod touch
1st gen
8GB 16GB 32GB
2nd gen
8GB 16GB 32GB

iPod
5th generation (video)
30GB 60GB 80GB

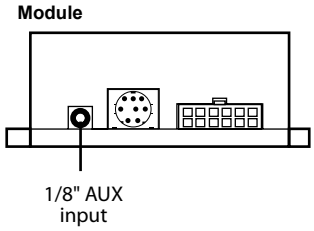
iPod nano
2nd generation (aluminum)
2GB 4GB 8GB

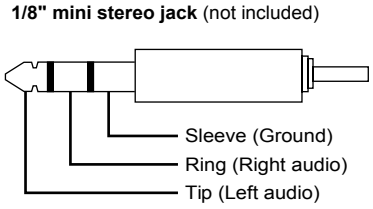
iPod nano
4th generation (video)
8GB 16GB

iPhone, iPhone3G/3GS
4GB 8GB 16GB

Auxiliary Audio Source Integration for iPod

The interface is equipped with a 1/8” AUX jack to connect an auxiliary device such as an MP3 player, DVD player or other audio sources. To access the AUX audio source, select DISC 5, Track 2 or Mode 5, Channel 2.



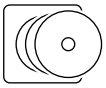


Making the adjustments:

While listening to the auxiliary device, adjust the volume (gain), bass, mid and treble by turning the Tune dial or pressing the Seek button. DISC/Mode 1-4 modes select what adjustment the Tune/Seek buttons perform.

Features MEDIABRIDGE

Features for MB-1000 & MB-1500 series:



CD-Quality Audio
Delivers high-fidelity CD-quality audio output from your iPod or USB Flash Drive to your factory car stereo.

Integrated Controls
Allows you to control music from your iPod, or radio and steering wheel controls

Text Display
Displays the song title, album and artist name right on the screen of your radio.

Download Software Updates
MediaBridge provides a mini-B USB connection for firmware updates. This ensures optimal performance and the latest vehicle compatibly.

iPod-like Browsing for iPod or USB Flash Drive
Browse through all the available content like you would on your iPod. USB Flash Drive supports folder browsing.

Charges iPod/iPhone
Always keeps your iPod charged and ready to go.

AUX Input
Connect any external audio device including: aftermarket satellite radio, CD/DVD players and more.

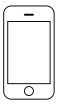
SIRIUS Satellite Radio Connectivity
Enables SIRIUS SCC-1 Tuner or other portable SIRIUS tuner on the existing factory radio

Additional features for MB-1500 series ONLY:

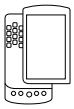
Bluetooth Hands-free / Audio Streaming
Connects Bluetooth compatible wireless phone for hands-free operation. Provides music/audio streaming from A2DP enabled devices.

Text-to-speech
feature allows you to listen to your phone, iPod or USB Flash drive read your incoming phone number caller-ID, artist and song titles as well as menus to help you keep your hands on the wheel and eyes on the road.

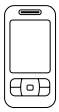
Bluetooth ecosystem MEDIABRIDGE


iPhone™

Blackberry™


Android™

Palm™


Windows Mobile™

Others

iPod/iPhone Ecosystem MEDIABRIDGE

iPod
5th generation (video)
30GB 60GB 80GB

iPod nano
3rd generation (video)
4GB 8GB

iPod touch
1st gen.
8GB 16GB 32GB
2nd gen.
8GB 16GB 32GB

iPod classic
80GB 120GB 160GB

iPod nano
4th generation (video)
8GB 16GB

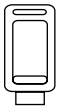
iPod nano
2nd generation (aluminum)
2GB 4GB 8GB

iPod nano
5th gen. (video camera)
8GB 16GB 32GB

iPhone, iPhone3G/3GS
4GB 8GB 16GB

USB/MP3 ecosystem MEDIABRIDGE

MP3 Player
Must be formatted FAT17, FAT32 loaded with unencrypted music files. MP3-MWA-ACC


USB Flash Drive
Supports .MP3, .WMA (without DRM), .ASF and .AAC (without DRM) as .M4A. Must be formatted FAT32

SIRIUS XM ecosystem MEDIABRIDGE

Permanent Solution
To be used with SIRIUS Connect vehicle tuner. SCC-1

Portable Solution
To be used with SIRIUS Connect Vehicle Dock, Dock & Play or Portable Radio

FAQ for vehicle specific integration

Generic Questions:

MEDIABRIDGE How does MediaBridge compare to other "iPod adaptor" products?
The Media Bridge is the best buy for your money. It's not just an iPod adaptor as it provides more connectivity than any other product. Including: USB Flash Drive, iPod, Auxiliary input, SIRIUS Radio tuner and Bluetooth* connectivity. Our product offers multi-source integration (can operate as CD/MP3/MD/SAT), text display on various vehicles, user-friendly interface, and more! *Bluetooth and text to speech based voice announcements are only included in Media Bridge 1500.

MEDIABRIDGE Why is there a USB-A connector on the MediaBridge?
This is the connection point for iPod/iPhone or USB Flash Memory devices.

MEDIABRIDGE Why is there a mini-B USB port on the MediaBridge?
The mini-B port is for the exclusive use of firmware upgrade via a computer.*
*Connections to this port are not required or recommended at any other time.

MEDIABRIDGE Why is there a mini-DIN receptacle on the Media Bridge?
It is used to connect to external modules, such as a SIRIUS SC-1 tuner. This port is not for connection of the non-USB based iPod interface cable.

integration for iPod MEDIABRIDGE What function is preformed with the DIP switches?
Programming of vehicle specific modes. Please refer to the vehicle specific page for details.

integration for iPod MEDIABRIDGE Can the vehicle specific cables on the current DICE iPod interface be used only for the Media Bridge?
No, the MediaBridge uses a connector with a different pin count and configuration.

integration for iPod MEDIABRIDGE Is the audio quality better when connecting iPod using the USB connection instead of the mini-DIN?
Yes, because the audio is transferred as a digital signal between iPod and the MediaBridge. This prevents signal degradation and reduces the chance of interference.

MEDIABRIDGE Can a USB male-female extension cable be used to lengthen the distance between the iPod or USB Flash Drive?
Yes, you can purchase an optional USB extension cable. Use a high-quality cable that is as short as possible. Please be aware that the USB signal quality can degrade over distance.

integration for iPod MEDIABRIDGE Will the DICE product support video playback on my navigation screen?
No, our product can only transfer the audio and information for the audio through your stereo system.

integration for iPod MEDIABRIDGE In any way can the DICE product void my vehicle manufacturer's warranty?
No, when the DICE product is properly installed and operated, the vehicle's warranty will not be voided.

integration for iPod MEDIABRIDGE Can I install the kit myself?
Yes, the kit is end-user installable with the proper tools. However, we do recommend professional installation. Look for installation technicians that are accredited by the Mobile Electronics Certified Professionals (MECP).

integration for iPod MEDIABRIDGE Do I need to have a navigation radio to be able to operate the kit?
No, non-NAV and navigation head units are both supported.

integration for iPod MEDIABRIDGE Can I keep the factory satellite radio in my vehicle?
Yes, various operating modes are supported with the DICE integration kit to allow for the most flexible install. See specific kits for more details.

integration for iPod MEDIABRIDGE Do I have to disconnect the CD changer in my vehicle?
Externally mounted CD-changers (glovebox, trunk, etc.) need to be disconnected. In-dash CD changers built-in to the radio however, are retained.

integration for iPod MEDIABRIDGE How do I access the MediaBridge or iPod only interface?
Please refer to specific vehicle brand for more information

iPod Specific Questions:

MEDIABRIDGE How do I connect an iPod to the MediaBridge?
Use the USB dock cable that came with the iPod to connect to the MediaBridge.

MEDIABRIDGE Do all iPod models support USB audio?
First (1st) thru third (3rd) generation models do not. Please refer to the illustration on page 5 for compatibility at the time of publishing.

integration for iPod **MEDIABRIDGE** **What does the "works with iPhone" logo mean?**
A. The WWi logo is an extension of the MFi program with even tougher certification requirements ensuring interference-free operation with iPhone.

integration for iPod **MEDIABRIDGE** **What does "made for iPod" logo mean?**
A. The MFi logo can only be used by Apple licensed product developers who certified the product to comply with guidelines set by Apple. Only licensed developers have access to authentic dock connectors that ensure the highest quality connection and longest reliability.

integration for iPod **It appears that the DICE product uses the same mini-din connector for the iPod dock cable as other kits. Can I use an iPod cable from another 3rd party system?**
No. While cables may appear identical, the internal connections can be very different. Using a non-DICE branded cable can damage both the integration kit and the iPod.

integration for iPod **MEDIABRIDGE** **Will my factory radio support text display?**
A. Yes, select CD-text and/or SAT capable radios can support text display.

integration for iPod **MEDIABRIDGE** **If my vehicle has a CD-changer connection in the glovebox, can it be utilized for DICE integration for iPod?**
For most vehicles, the glovebox connection can be used to integrate the DICE kit.

integration for iPod **MEDIABRIDGE** **Which iPod works with the DICE product?**
Forth (4th) generation and newer models (excluding Shuffle) are supported. Media Bridge requires iPod/ iPhone that supports USB audio.

integration for iPod **MEDIABRIDGE** **Can I keep the iPod controls active?**
Yes, the iPod can be controlled directly if the DICE unit is set up in iPod mode. In this mode, text display may not be supported.

integration for iPod **Will the kit direct my phone call through the car radio?**
No, however the iPhone will pause the music for the duration of the phone call and resume once the call has ended.

integration for iPod **MEDIABRIDGE** **Can I use older iPod kits with my new iPod?**
While control and music are available from older integration kits, they will only provide 12 volt charging which is no longer supported by new iPod models. New iPod cables are available for 5 volt charging.

integration for iPod **MEDIABRIDGE** **Will the DICE integration kit charge my iPod/iPhone?**
all 5V compatible iPod/iPhone modules will be charged

USB specific Questions:

integration for iPod **MEDIABRIDGE** **Will I see song titles and artist information (metadata) on the radio screen?**
ID3 tags encoded within the music file are displayed whenever possible. When the information is not available or in an unsupported format, the file name may be displayed.

MEDIABRIDGE **What type of audio file formats can be played from a USB Flash Memory device?**
MP3, WMA, AAC – without DRM

MEDIABRIDGE **Can the USB Flash Drive be formatted with any type of file system?**
Only FAT16 or FAT32 are supported (no NTFS support).

MEDIABRIDGE **What USB standards are supported?**
USB drives must be compatible with full-speed USB standards. Low speed only devices will not function properly.

MEDIABRIDGE **Can a memory card (SD, xD, CF, MS or similar) device be connected using a card reader to USB connection?**
Most simple card readers are supported. The memory card must be installed into the reader before connecting to the USB port.

MEDIABRIDGE **Can a USB hub be connected?**
No, the Media Bridge does not support USB hubs.

MEDIABRIDGE **What is the playback order on a USB drive?**
Music is played back in the order stored or copied to the drive.

MEDIABRIDGE **How many levels of folders are supported?**
Up to eight (8) levels of folders will be opened during the playback.

SIRIUS Radio specific Questions:

MEDIABRIDGE **What satellite tuner can be connected to the MediaBridge?**
SIRIUS SC-1 tuner is compatible; to connect please use the mini din cable found in the SC1 kit.

MEDIABRIDGE Can a portable SIRIUS tuner be connected to the MediaBridge?
You need to purchase a SC-VDOC docking cradle from an authorized SiriusXM dealer. This dock connects to the MediaBridge and the portable tuner connects to the dock. External antenna for signal reception is required.

Bluetooth specific Questions:

MEDIABRIDGE How do you connect a Bluetooth enabled phone to the MediaBridge?
In general, you must make sure that the Bluetooth function is active or turned on and that the device is set to be discoverable. Please refer to the devices user manual to learn how to turn on and initiate the pairing feature and any specific paring code required. However, these steps are usually only required once. Afterward the phone should auto-pair to the device (if auto pairing is enabled). Please consult the phone's user manual or the carrier for support.

MEDIABRIDGE Can ALL Bluetooth enabled phones stream music?
No, only phones with A2DP and AVRCP Bluetooth profile can stream music. Please consult the phone's user manual or the carrier for support.

MEDIABRIDGE Can the name of the song be shown from a streaming music source?
Song title and artist information may be available from phones implementing AVRCP protocol version 1.3 or newer. Please note that there are only a few such implementations known at the time of this publishing.

MEDIABRIDGE How can the audio level be adjusted on music streaming from a phone?
In general, the volume control buttons will impact the audio level heard thru the MediaBridge. If the phone is MUTE-d then you may not hear any music.

Comparison Chart

Features	DICE ELECTRONICS		Company 1	Company 2	Company 3	Company 4
		MEDIABRIDGE				
		integration for iPod				
High quality sound	✓	✓	✓	✓	✓	✓
AUX input	✓	✓	✓	✓	✓	✓
Full text display	✓	✓			✓	
Customizable text display	✓	✓				
Full control from radio,steering wheel or ipod	✓	✓	✓	✓	✓	
Browsing by playlist, artist, album or song	✓	✓				
Switchable, functional iPod screen	✓	✓	✓	✓	✓	
Vehicle specific	✓	✓	✓	✓	✓	✓
Charges iPod with 5 Volt	✓	✓		✓	Purchase separately	
Optional iPod cradle/holder	✓	✓		✓		
USB flash drive connection	✓					
Bluetooth hands-free & audio streaming	✓					
SIRIUS compatible	✓			✓		
Updateable software	✓			✓		

• Comparison data based on products available as of Winter, 2009. Information listed is as-is. DICE Electronics is not responsible for any misprints or the accuracy of the data.

ACURA

DICE ELECTRONICS Integration solutions

ACURA

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration		
Acura	Universal	CD-Changer emulation	Satellite emulation
Integra			
1998 - 2001	FMRDS	R2 [3]	
MDX			
2005 - 2009	FMRDS	R3/R4 [1]	R3/R4 [1,2] MEDIABRIDGE [4]
2001 - 2004	FMRDS		
RDX			
2007 - 2009	FMRDS	R3/R4 [1]	R3/R4 [1,2] MEDIABRIDGE [4]
RL			
2005 - 2009	FMRDS	R3/R4 [1]	R3/R4 [1,2] MEDIABRIDGE [4]
1996 - 2004	FMRDS		
RSX			
2002 - 2006	FMRDS	R2 [3]	
TL			
2004 - 2008	FMRDS	R3/R4 [1]	R3/R4 [1,2] MEDIABRIDGE [4]
1998 - 2003	FMRDS		
TSX			
2004 - 2008	FMRDS	R3/R4 [1]	R3/R4 [1,2] MEDIABRIDGE [4]

Abbreviation Note:

i-Honda-R2 kit ↔ **R2**

i-Honda-R2/R3 kit ↔ **R2/R3**

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod · Works with iPhone · Bluetooth · USB ready · SILVERLINE PRO

Note:

- The DICE i-Honda-R series supports both Honda and Acura vehicles, therefore the part numbers are shared (i-Honda-R2, i-Honda-R3/R4).
- Text display not available in CDC mode.
- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Navigation-equipped vehicles or factory satellite retention requires i-Honda-R4 kit.
2. Text available only in SAT emulation mode - Radio must have XM button and factory XM must be disconnected.
3. Not compatible with in-dash 6 CD system; external CD-changer must be disconnected.
4. Media Bridge requires radio to have SAT or XM button.

FAQs Before Purchasing the Kit

R3/R4 MEDIABRIDGE How can I tell if my factory Acura radio will support text?
The factory radio must have an XM or SAT button.

R3/R4 MEDIABRIDGE Can the factory XM be retained?
Yes, factory XM can be retained with our Y-harness that is included in the i-Honda-R4 kit. Retaining XM requires the R3/R4 kit to be in CDC emulation mode. Media Bridge allows retention of satellite radio even in SAT emulation mode.

R3/R4 Are any of the operational features different between SAT-mode and CD-mode of the DICE R3/R4 unit?
Operating the iPod through the factory radio is nearly identical in both emulation modes. SAT-mode has the benefit of text display.

R2 R3/R4 MEDIABRIDGE Can the steering wheel controls operate my iPod?
Yes, the steering wheel controls can operate the iPod. Note: pressing and holding of the steering wheel button triggers its secondary function.

Installation Tips / Check List

☐ **R3/R4** To operate in SAT mode, the XM tuner must be physically disconnected. The tuner is usually located in the trunk area on the left or right side near the wheel-well. In the Acura RDX, it is behind the glovebox up front.

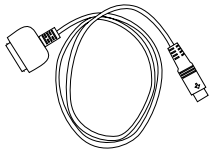
☐ **R2 R3/R4 MEDIABRIDGE** Installation on the Acura TSX can be done without removing the radio. Simply press the inner sides of the storage bin of the lower part of the dash and gently pull out. The CD/SAT connection is on the bottom of the radio; this is where the i-Honda-R3/R4 will connect.

☐ **R2 R3/R4 MEDIABRIDGE** On the Acura TL (2004-2008), the radio normally does not need to be removed. When the driver-side panel on the console is removed, you can get to the CD/SAT connection through the side.

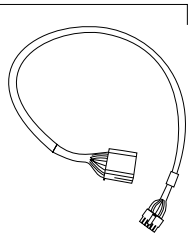
Content Identifier integration for iPod

user manual

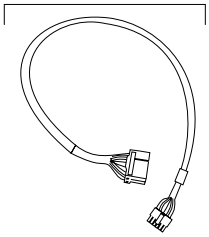
vehicle specific interface module


docking cable

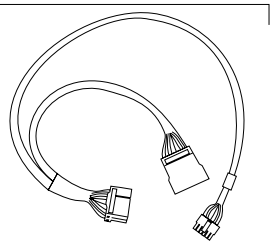
for i-Honda-**R2** kit


Honda-R2 Bus Connector

for i-Honda-**R3** kit


Honda-R3 Bus Connector (regular harness that is used for non-nav Acura and disables XM (if equipped))

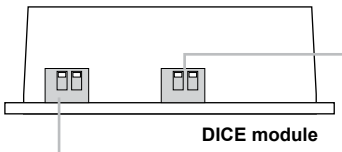
for i-Honda-**R4** kit


Honda-R4 Bus Connector (Y-harness required for navigation-equipped Acura or to retain factory XM)

About Dip Switch Settings integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Honda-R2 kit:

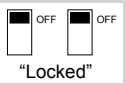

DICE module

Car configuration switches

Default

Switches should remain in the default OFF position.

iPod configuration switches

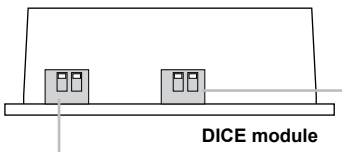


Default

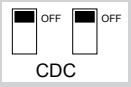
It is best selected when **text display is supported by the radio**. After the initialization the iPod will be locked for increased interface functionality

It is best selected when **text display is NOT supported by the radio**. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. **Content is selected on the iPod only**.

for i-Honda-R3/R4 kit:


DICE module

Car configuration switches

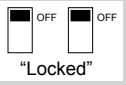


Default

Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it.

Recommended for Satellite (XM) capable radios. This type of emulation provides **full text display** on the radio. If Satellite (XM) is equipped it must be disconnected to operate flawlessly in this mode.

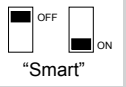
iPod configuration switches



Default

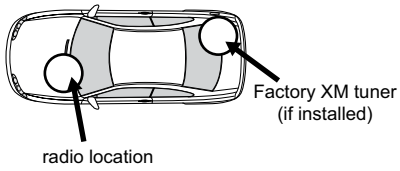
This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

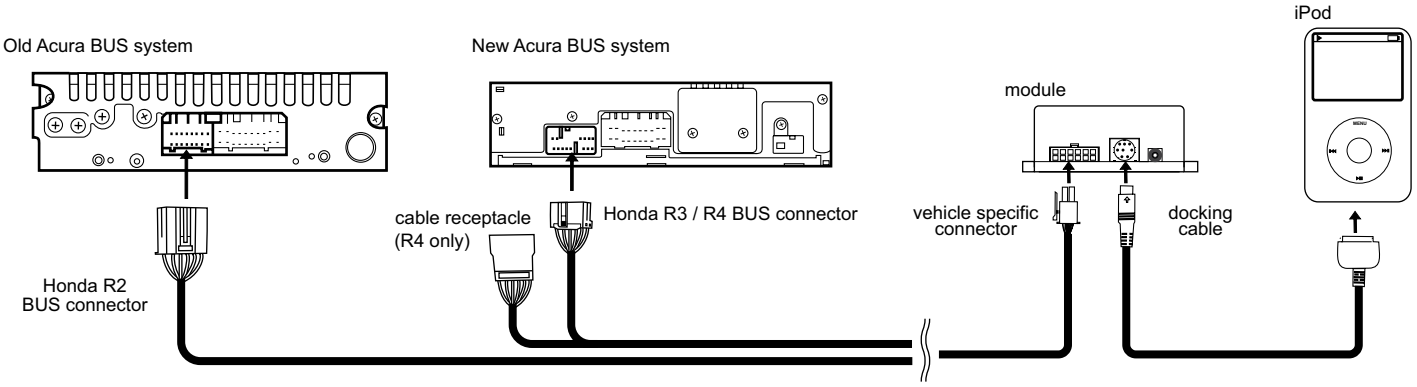
This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

Connection Diagram integration for iPod

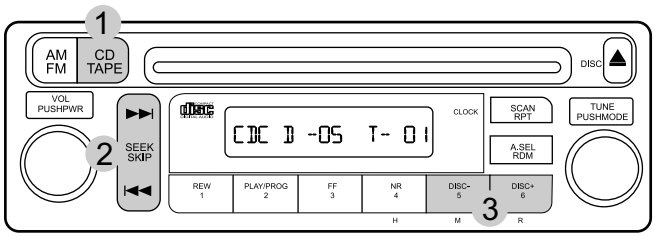




- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio

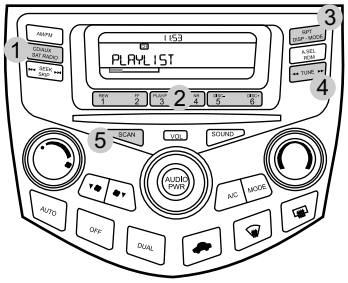
Operation Overview integration for iPod

CDC emulation



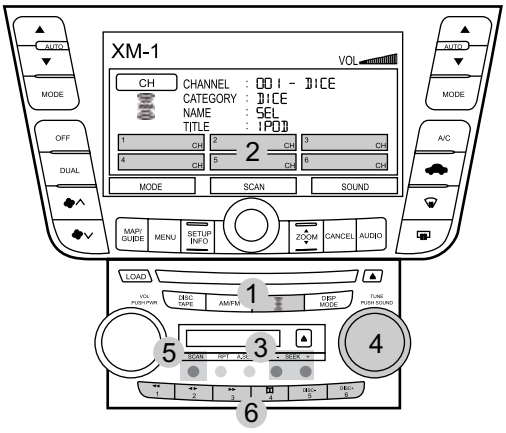
1. Source selector
2. Press to change track, press and hold to RW or FFW.
3. Press to change modes.

SAT emulation



1. Source selector
2. Use Presets to change modes.
3. Toggle between available text fields.
4. Press to change track.
5. Press to enable shuffle song.

SAT emulation with navigation system



1. Source selector
2. & 6. Use Presets to change modes.
3. Press to change track.
   or
4. Turn to change track.
5. Press to enable Shuffle Song.

Acura Specific Technical Notes

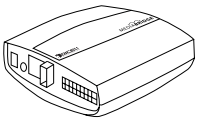
Integration for iPod

Problem	Solution
Cannot fit i-Honda-R2 kit into any of the ports on the radio or cannot fit i-Honda-R3/R4 into any of the ports on the radio	Various vehicle trim models (EX, LX, DX, etc.) can have different radios for a specific year. If the i-Honda-R2 connection doesn't fit into any ports, the i-Honda-R3/R4 will be required and vice versa.
iPod does not display the DICE logo when connected.	Reset iPod and make sure most recent iPod firmware is installed. Make sure all cables are connected properly. Note that iTouch does not display the logo.
Cannot select CD changer or SAT source.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed.
No text display.	Make sure DIP switch settings are correctly set for text display.
No audio from iPod source.	Reset the iPod. Verify proper connection to the interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.
Cannot find SAT mode.	If the radio does not have a SAT or XM button, then it will not support SAT emulation of the DICE module. Have the DICE module configured for CDC emulation.
Sound of factory installed satellite radio is bleeding through when the iPod audio source is selected.	The factory XM module must be disconnected. It is usually located in the trunk of the vehicle.

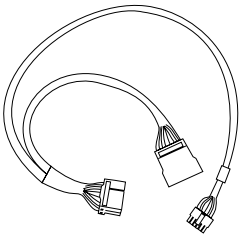
Content Identifier MEDIABRIDGE

for MB-1000-Honda kit & MB-1500-Honda kit:

user manual

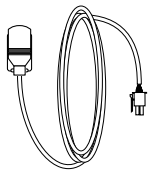


Media Bridge Module



Media Bridge Connector
(Y-harness required for navigation-equipped Acura or to retain factory XM)

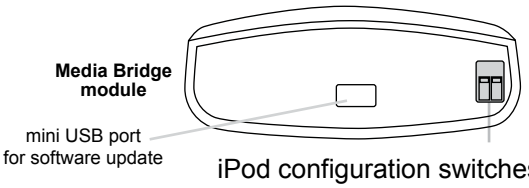
for MB-1500-Honda kit ONLY:



Microphone

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

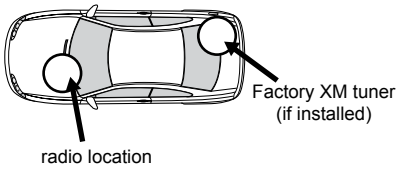


iPod configuration switches

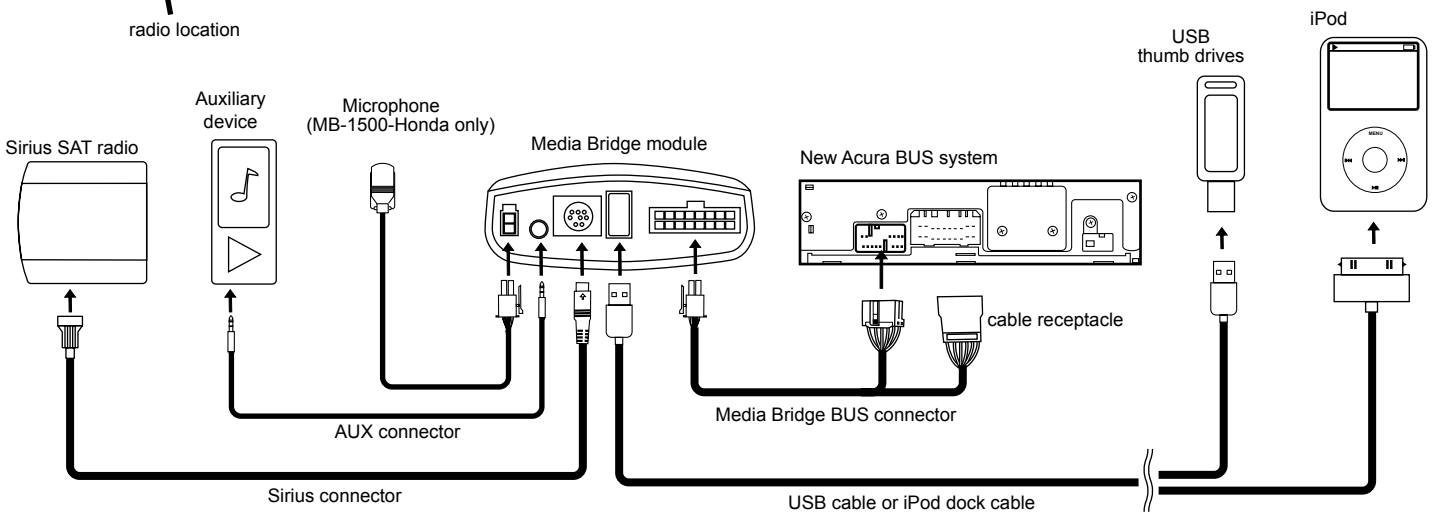
Car configuration switches

Features are not ready at the time of printing. Please check the user manual.

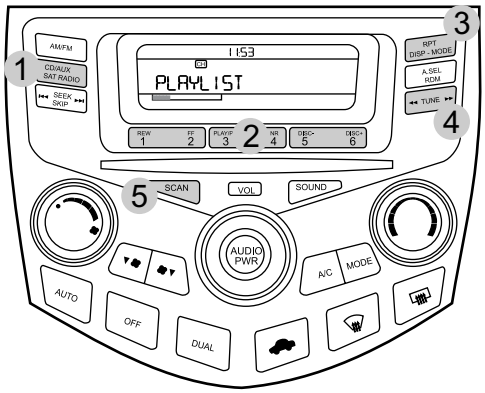
Connection Diagram MEDIABRIDGE



- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio

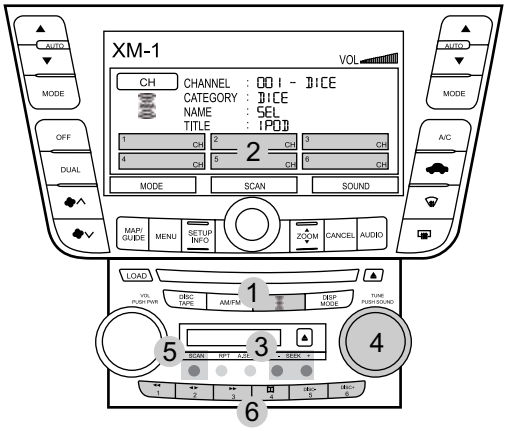


SAT emulation



1. Source selector
2. Use Presets to change modes.
3. Toggle between available text fields.
4. Press to change track.
5. Press to enable shuffle song.

SAT emulation with navigation system



1. Source selector
2. & 6 Use Presets to change modes.
3. Press to change track.
   or
4. Turn to change track.
5. Press to enable Shuffle Song.

AUDI

Integration solutions

AUDI

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration			
Audi	Universal	CD-Changer emulation	Satellite emulation	
A3				
2008 - 2009	FMRDS	VW-R [2, 3]	SAT [4, 5]	MEDIABRIDGE
2006 - 2007	FMRDS	Audi-R [1, 2]	SAT [4, 5]	MEDIABRIDGE
A4/S4/RS4				
2009	FMRDS			
2007 - 2008	FMRDS	VW-R [2, 3]	SAT [4, 5]	MEDIABRIDGE
2004 - 2006	FMRDS	Audi-R [1, 2]	SAT [4, 5]	MEDIABRIDGE
1998 - 2004	FMRDS	Audi-R [1, 2]		
A5/S5				
2008 - 2009	FMRDS	Audi-44		
A6/S6/RS6				
2005 - 2009	FMRDS	Audi-44		
2004	FMRDS	Audi-R [1]	SAT [4]	MEDIABRIDGE
1998 - 2003	FMRDS	Audi-R [1]		
Q7				
2007 - 2009	FMRDS	Audi-44		
A8/S8				
2004 - 2009	FMRDS	Audi-44		
2002 - 2003	FMRDS			
1998 - 2001	FMRDS	Audi-R		
Allroad				
2004 - 2005	FMRDS	Audi-R [1]	SAT [4]	MEDIABRIDGE
2000 - 2003	FMRDS	Audi-R [1]		
TT				
2008	FMRDS	VW-R [2, 3]	SAT [4, 5]	MEDIABRIDGE
2004 - 2006	FMRDS	Audi-R [1, 2]	SAT [4]	MEDIABRIDGE
2000 - 2003	FMRDS	Audi-R [1, 2]		

Abbreviation Note:

- i-VW-R kit ↔ VW-R
- i-Audi-R kit ↔ Audi-R
- i-Audi/VW-SAT kit ↔ SAT
- mo-Audi-44 kit ↔ Audi-44
- FMRDS & FMRDS USB-PRO ↔ FMRDS

Made for iPod · Works with iPhone · Bluetooth · USB ready · SILVERLINE PRO

Note:

- Text is not supported on i-Audi-R & i-VW-R kits.
- For the most updated information on MEDIABRIDGE and Audi-44, please visit our website at www.diceelectronics.com

1. If the vehicle is equipped with the factory navigation system (RNS-E), please choose the i-VW-R kit.
2. Optional mating connector available if glove box CDC plug connection is present. This also retains factory SAT radio.
3. If the vehicle requires i-VW-R kit, please contact us for detail on SAT retention.
4. Radio must have a SAT button. Navigation system is not supported at the time of printing. Please visit our website for updated information.
5. i-Audi/VW-SAT kits allow for retaining factory SAT tuner, if present.

FAQs Before Purchasing the Kit

Audi-R SAT MEDIABRIDGE Does factory satellite radio need to be disabled with the DICE kit?
No, these kits retain factory satellite radio on non-Navigation head units.

SAT How can I tell if my Audi radio will support the text-capable i-Audi/VW-SAT kit?
If your factory Audi radio has a SAT button , it is compatible with our i-Audi/VW-SAT kit and will support text display.

VW-R I upgraded my older Audi's factory radio to a newer factory radio/navigation. Will this still work and how do I know which kit I need?
This will still work as long as the newer head unit came out of a compatible Audi. Navigation (RNS-E) radios take the i-VW-R harness. Other radios may need to be verified for CD Changer/SAT connection.

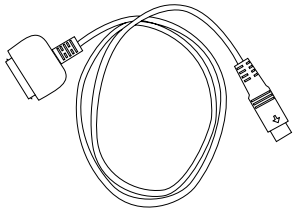
Installation Tips & Check List

- ☐ Audi-R VW-R For the wiring harness(es) that plug into the back of the radio, the extra ground wire must be attached to the chassis. The extended screw on the back of the radio is a sufficient ground point.
- ☐ Audi-R VW-R To remove Audi radios and/or glovebox CD changers, you must have proper radio removal keys.
- ☐ Audi-R VW-R To enhance the user experience, it is recommended to set the iPod configuration switches to iPod mode on non-text capable radios as this configuration will keep the direct iPod controls unlocked.

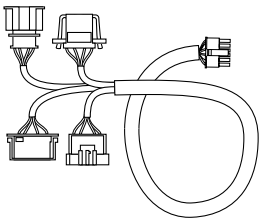
Content Identifier Integration for iPod

user manual

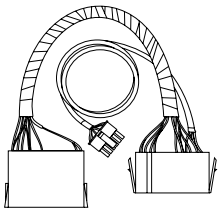
vehicle specific interface module


docking cable

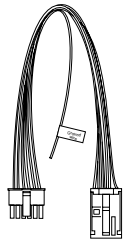
for i-Audi/VW-**SAT** kit:


i-Audi/VW-SAT harness

for i-**Audi-R** kit:


Audi-R harness

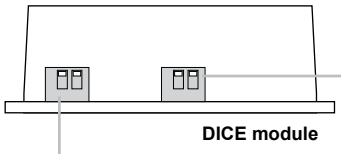
for i-**VW-R** kit:


VW-R2 harness

About Dip Switch Settings Integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-**Audi-R**/i-**VW-R** kit:


DICE module

Car configuration switches

OFF OFF
CDC
Default

Switches should remain in the default OFF position.

iPod configuration switches

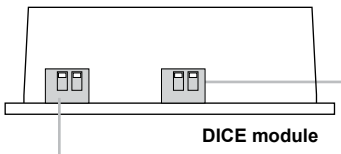
OFF OFF
"Locked"
Default

It is best selected when **advanced controls on the radio are used.** After the initialization the iPod will be locked for increased interface functionality.

ON ON
"iPod"

It is best selected when **text display is not supported** by the radio and **user wishes to retain iPod control**. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. **Content is selected on the iPod only**.

for i-Audi/VW-**SAT** kit:


DICE module

Car configuration switches

ON OFF
Multi-line display
Default

This is the recommended setting for **radios that have multiple text fields displayed in Satellite emulation mode.**

OFF ON
Single-line display

Recommended for Satellite (XM) capable radios. This type of emulation provides **full text display** on the radio. If Satellite (XM) is equipped it must be disconnected to operate flawlessly in this mode.

Both type of emulation above provides **full text display** on the radio. **Note:** Please call to confirm vehicle support prior to installation.

iPod configuration switches

OFF OFF
"Locked"
Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

ON ON
"Display"

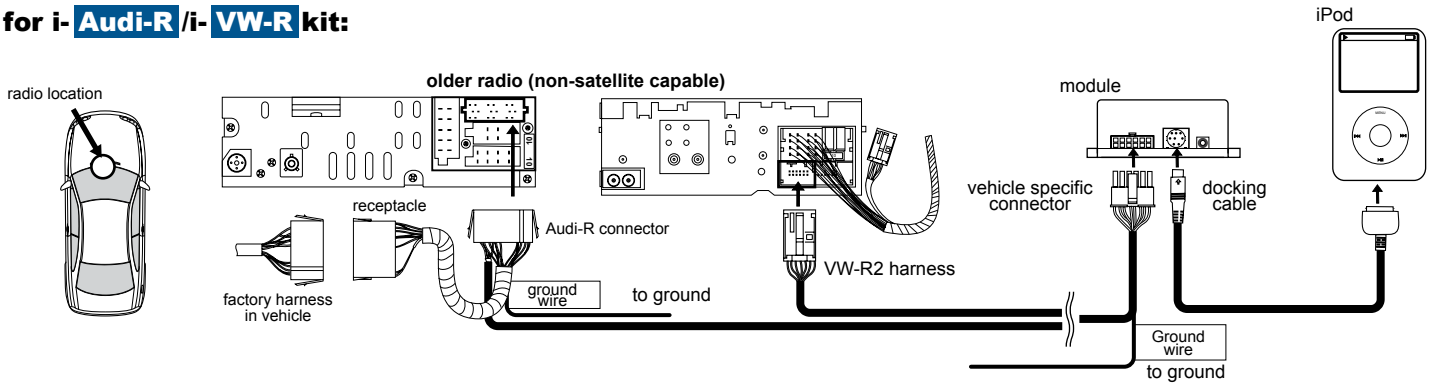
This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.

OFF ON
"Smart"

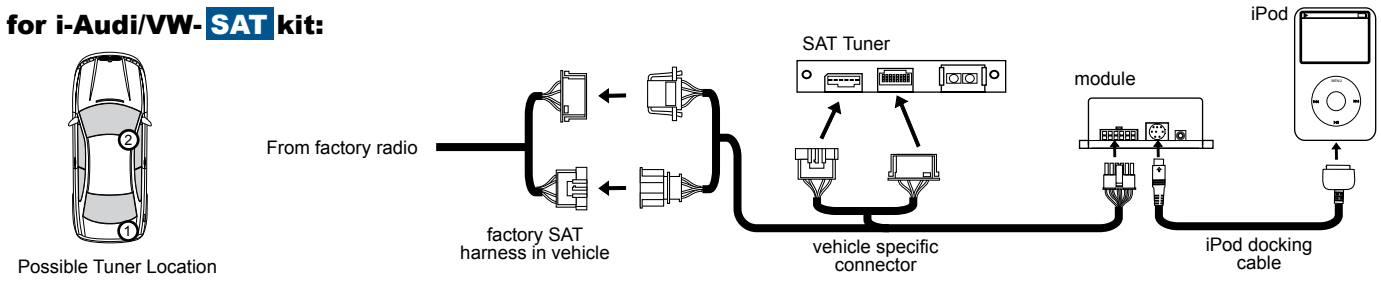
In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

Connection Diagram Integration for iPod

for i-Audi-R /i-VW-R kit:

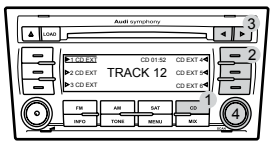


for i-Audi/VW-SAT kit:



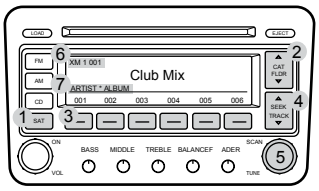
Operation Overview Integration for iPod

CDC emulation



1. Source selector
2. Press to change mode.
3. Press to change Track, hold to Rewind or Forward
4. Turn to change track.

SAT emulation



1. Source selector
2. Press to cycle through Modes 1-6.
3. On selected radios you may use these buttons to select Modes 1-6.
4. Press to change track.
5. Turn to change track.
6. Source indicator
7. This text field may not be shown on all radios.

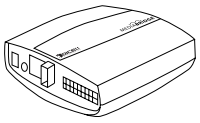
Audi Specific Technical Notes Integration for iPod

Problem	Solution
Cannot select the interface.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface (CDC or SAT).
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed. Check vehicle's user manual on how steering wheel controls work.
Radio/ steering wheel controls do not operate iPod, but audio is still present.	Select DISC/Mode 5 and Track/Channel 1. Switch back to DISC/Mode 1 and try changing Tracks. DISC 5 (Mode 5) Track 02 (Channel 02) is AUX mode and not correct for the iPod.
Interface has erratic recognition or none at all.	Make sure that the ground wire harness is attached to the back of the radio.
No text display.	Set iPod switches to OFF for "Locked" mode. Text display is only supported on SAT-capable radio with the i-Audi/VW-SAT kit.
No audio from iPod source.	Reset the iPod. Verify proper connection to interface.
iPod does not charge.	Check all connections. Reset iPod and make sure iPod charges while connected to computer or wall charger.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.

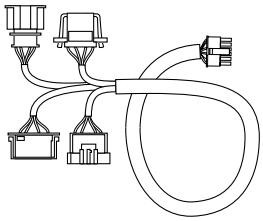
Content Identifier MEDIABRIDGE

for MB-1000-VW kit & MB-1500-VW kit:

user manual

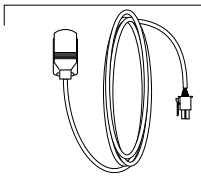


Media Bridge Module



Media Bridge Connector

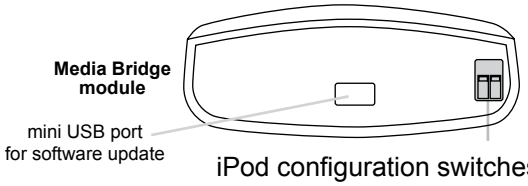
for MB-1500-VW kit ONLY:



Microphone

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

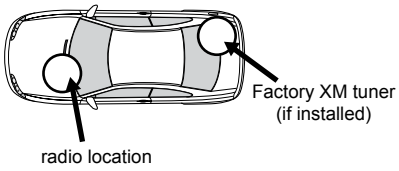


iPod configuration switches

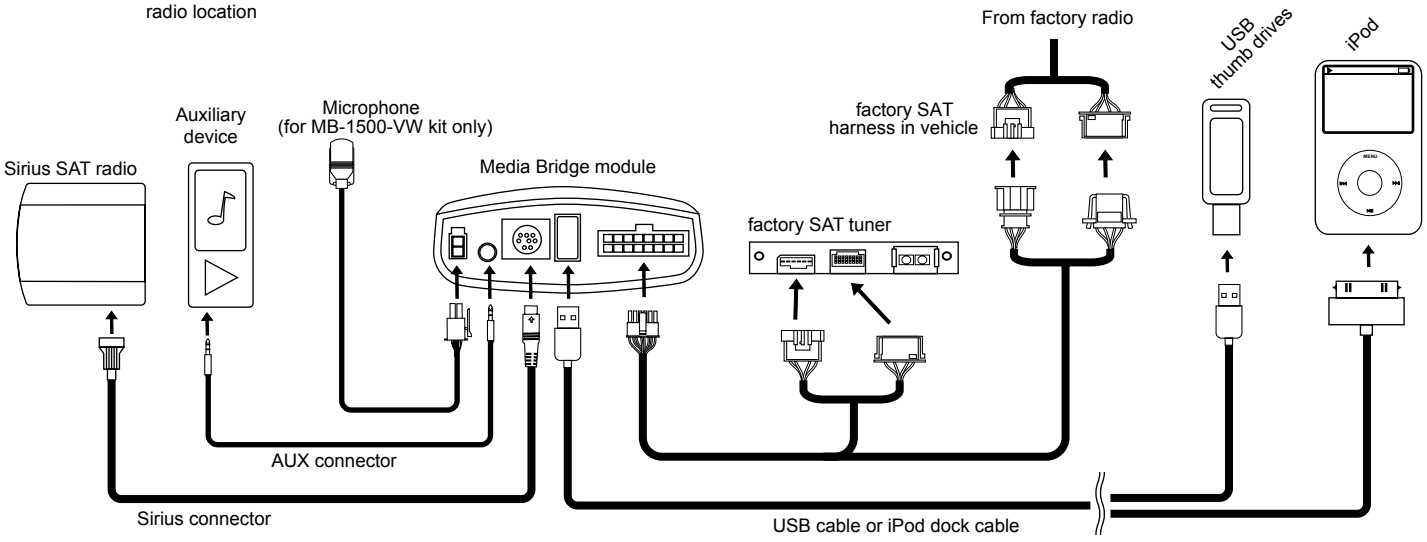
Car configuration switches

Features are not ready at the time of printing. Please check the user manual.

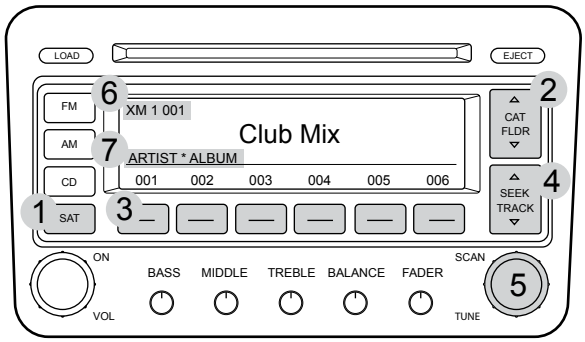
Connection Diagram MEDIABRIDGE



- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio



SAT emulation



1. Source selector
2. Press to cycle through Modes 1-6.
3. On selected radios you may use these buttons to select Modes 1-6
4. Press to change track.
5. Turn to change track.
6. Source indicator
7. This text field may not be shown on all radios.

Turn the page for more great connectivity solutions.

BMW/MINI COOPER

Integration solutions

BMW/MINI COOPER

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration	
BMW	**Universal**	CD-Changer emulation
3-series/M3		
2007 - 2009	FMRDS	BMW-45/46/48
2006 (coupe/convertible)	FMRDS	BMW-T[1] MEDIABRIDGE
1998 - 2005	FMRDS	BMW-T[1] MEDIABRIDGE
5-Series/M5		
2004 - 2009	FMRDS	BMW-45/46
1997 - 2003	FMRDS	BMW-T[1, 2] MEDIABRIDGE
7-Series		
2002 - 2009	FMRDS	BMW-45
1998 - 2001	FMRDS	BMW-T[1, 2] MEDIABRIDGE
X3		
2004 - 2009	FMRDS	BMW-T[1, 2] MEDIABRIDGE
X5		
2007 - 2009	FMRDS	BMW-45/46
2000 - 2006	FMRDS	BMW-T[1, 2] MEDIABRIDGE
Z3/M-Coupe		
M-Roadster		
1996 - 2002	FMRDS	BMW-T[1] MEDIABRIDGE
Z4/M-Coupe		
M-Roadster		
2003 - 2008	FMRDS	BMW-T[1, 2] MEDIABRIDGE
Z8		
2000 - 2003	FMRDS	BMW-T[1, 2] MEDIABRIDGE

Abbreviation Note:

i-BMW-T kit ↔ BMW-T

mo-BMW-45/46/48 kit ↔ BMW-45/46/48

FMRDS & FMRDS USB-PRO ↔ FMRDS

Made for iPod · Works with iPhone · Bluetooth · USB ready · SILVERLINE PRO

Vehicle	Compatible Integration	
Mini Cooper	**Universal**	CD-Changer emulation
Cooper/Cooper S		
2007 - 2008	FMRDS	BMW-45/46/48
2002 - 2006	FMRDS	BMW-T[3] MEDIABRIDGE
BMW motorcycle		
K1200LT		
2000-2008		BMW-T[4] MEDIABRIDGE

Note for ALL:

- Vehicles listed above must be pre-wired for factory CD changer (most USA and Canadian models are pre-wired)
- Text is supported on all text-capable radios.
- BMW 3-series never had DSP amplifier.
- For the most updated information on MEDIABRIDGE and BMW-45/46/48, please visit our website at www.diceelectronics.com

1. If equipped with factory SAT module then BMW-SAT cable option is required.
2. If equipped with digital DSP amplifier then BMW-DSP kit is required.
3. CD text is only available on selected September 2005 and newer Cooper S. Text display is limited on 05-06 models.

FAQs Before Purchasing the Kit

FMRDS BMW-T MEDIABRIDGE Do BMW/Mini radios support text display?

Yes, CD Text capable BMW radios support text display with the DICE kit. This normally includes 1998-2007 supported BMW models and the 2006 Mini Cooper.

BMW-T BMW-45/46/48 MEDIABRIDGE Does my factory CD-Changer need to be disconnected?

Yes, the factory BMW CD-Changer connections are utilized to integrate the DICE system

BMW-T My car is not pre-wired. What can I do?

We have radio-end kits available for selected models.

FMRDS BMW-T BMW-45/46/48 MEDIABRIDGE If the vehicle is equipped with factory satellite radio, can it be retained?

Yes, the factory satellite radio can be retained with an additional satellite harness.

BMW-T MEDIABRIDGE My vehicle is equipped with a digital DSP amplifier, is this supported?

Yes, digital DSP amplifiers are supported; however the additional DSP kit (i-BMW-DSP) is required. DSP can be verified by checking the factory CD Changer connections: if 3-pin and mini coax connectors are present, the DSP kit is required. However, if a 3-pin and 6-pin connectors are available, then DSP most likely will not be needed.

Installation Tips / Check List

☐ BMW-T MEDIABRIDGE When routing the vehicle specific harness to the front of the vehicle, some BMW models have a panel below the glovebox where the DICE module can be stored for easy access.

☐ BMW-T MEDIABRIDGE When installing a DSP kit, you can temporarily attach it to the battery for constant power for testing purposes, but it should NOT be installed this way.

☐ BMW-T MEDIABRIDGE CD changer connections are normally coiled up and hidden well when a CD changer is not present. Please make sure to use the CDC connections and not the wiring harness of the phone system—as they both look the same! Check Connection Diagram above for detailed information.

Contents Identifier
Integration for iPod

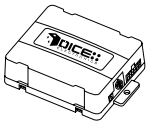
user manual

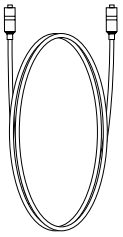
docking cable

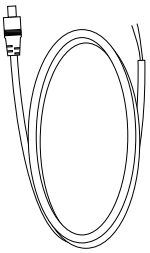
vehicle specific interface module

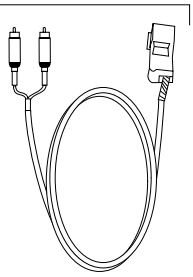
vehicle specific connector

for **BMW-DSP** kit:


DSP interface module


coax cable


power adapter


RCA 6-pin harness

About Dip Switch Settings
Integration for iPod

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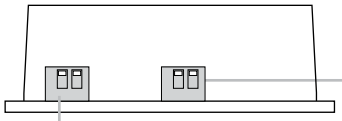
for i- BMW-T kit:


DICE module

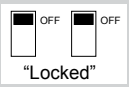
Car configuration switches

Default

Recommended for **late model Business CD and Navigation radio systems.**

This setting is to be used on **early model Business CD and Business cassette head units.** This mode provides slower text refreshing to allow flawless operation of these radios. **Note: The first button press only clears the text from the radio, the second executes the command.**

iPod configuration switches

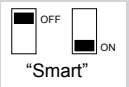


"Locked"
Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

"Display"

This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



"Smart"

In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

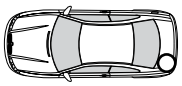
Connection Diagram
Integration for iPod

for i- BMW-T kit:

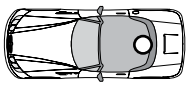
Note: CD Changer of **BMW Z8** is located right behind the driver's seat.

CD Changer locations:

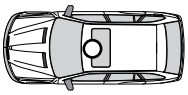
BMW 3, 5, 7 series, M3, M5 & X5


(left hand side of the trunk)

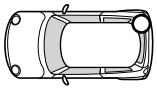
BMW Z4
2006-2008 M-Coupe & M-Roadster


(between seats, underneath subwoofer)

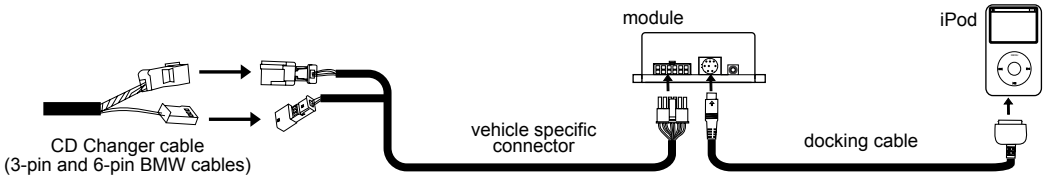
BMW X3


(underneath carpeting under the center console)

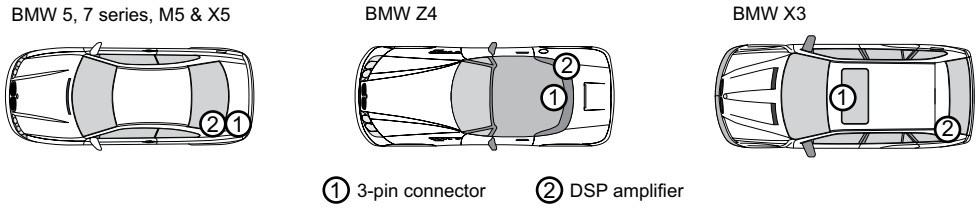
BMW 1999-2002 M-Coupe & M-Roadster
Z3, and Mini Cooper

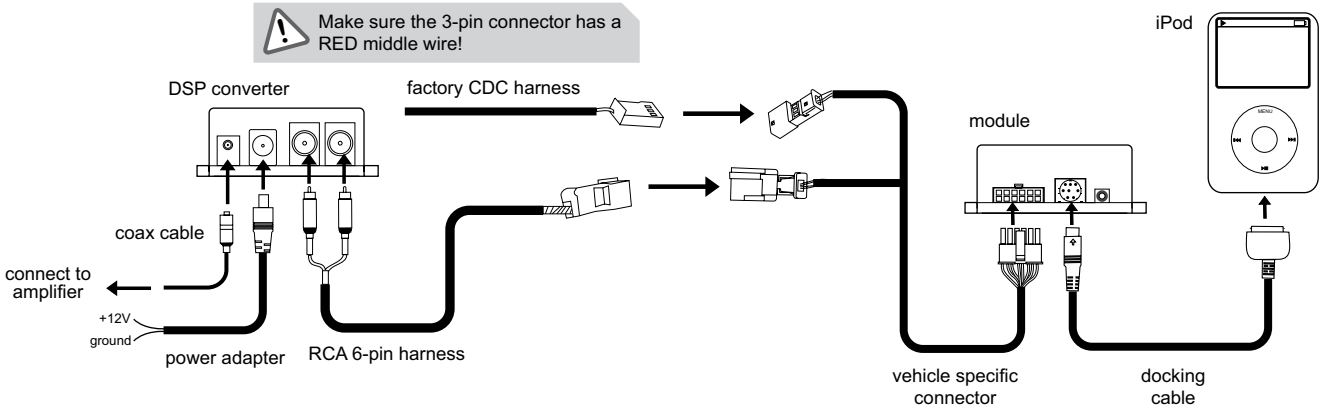

(right hand side of the trunk)

During installation, make sure that the 3 pin connector from the vehicle does not have a brown wire in the middle. The 3 pin connector of the phone pre-wiring looks identical to the 3 pin connector of the CD changer pre-wiring! Do not use the 3pin connector that has a brown wire in the middle, but locate the one that has the brown wire on the side! Incorrect connection will result in permanent damage to the unit and will not be covered by warranty!



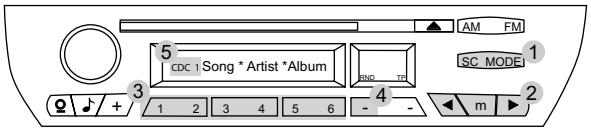
for BMW-DSP kit:





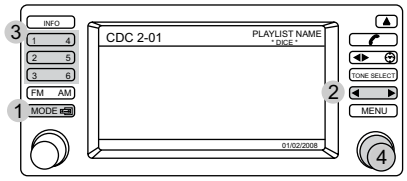
Operation Overview Integration for iPod

BMW business CD radio



1. Press the MODE button to access the interface.
2. Press and hold the Track buttons to RW or FFW. On some older BMW radios the m button must be engaged to perform the same function.
3. Use buttons 1 - 6 to change between modes.
4. Use Random to enable Shuffle Songs.
5. Source indicator

BMW radio with Navigation



1. Press the MODE button to access the interface.
2. Press this button to change track, press and hold it to RW or FFW
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Text display settings

Make sure to select the appropriate text display setting during the initial setup of the DICE kit. You must configure the text option by pressing DISC 6 then selecting a Track number that corresponds to the designated display:

Track #	Text Displayed On	Application	Characters
99	No Text	All	----
01	Radio	3-Series/Z3/Z4/X3/'04-K1200	12
02	Navigation	All with nav.	15
03	Cluster/OBD	5-Series/7-Series/X5 w/o nav.	20
04	MID	Alternate for 5-Series/7-Series/X5	11
05	Alternate Location	All with nav.	8
06	Alt Locat.(large font)	All with nav.	8
07	Resume Text	Use if text does not resume after phone call	----
08	Motorcycle	05+ K1200	12
09	No Text	All	----

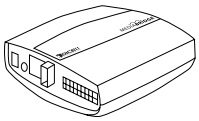
BMW/Mini Specific Technical Notes Integration for iPod

Problem	Solution
Why do the radio buttons need to be double-clicked on my early model 3-Series?	On earlier models of 3-Series and Z3 (1999-2002) vehicles, double-clicking is required when text is being displayed because the first button press clears the text and the second button press performs the command.
Radio/Nav display only shows DISC and Track number, but there is no iPod control.	Select DISC 5 and make sure it is set to Track 01. Here you are making sure that iPod mode is selected, and not AUX mode (Track 02)
Cannot select CD changer source.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface (CDC or DSP).
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed.
No text display.	Make sure DIP switch settings are correctly set for text display. Note that early model Mini Cooper vehicles do not support text. You must also configure the text as described above
No audio from iPod source.	Reset the iPod.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.

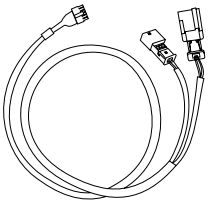
Content Identifier MEDIABRIDGE

for MB-1000-BMW kit & MB-1500-BMW kit:

user manual

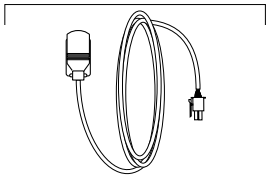


Media Bridge Module



Media Bridge Connector

for MB-1500-BMW kit ONLY:



Microphone

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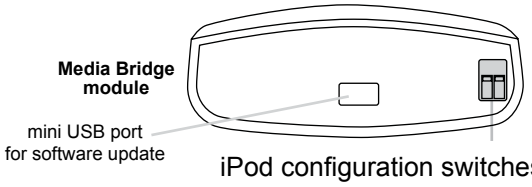

iPod configuration switches

Car configuration switches

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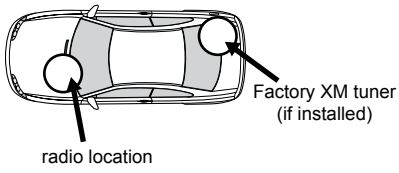
Connection Diagram MEDIABRIDGE



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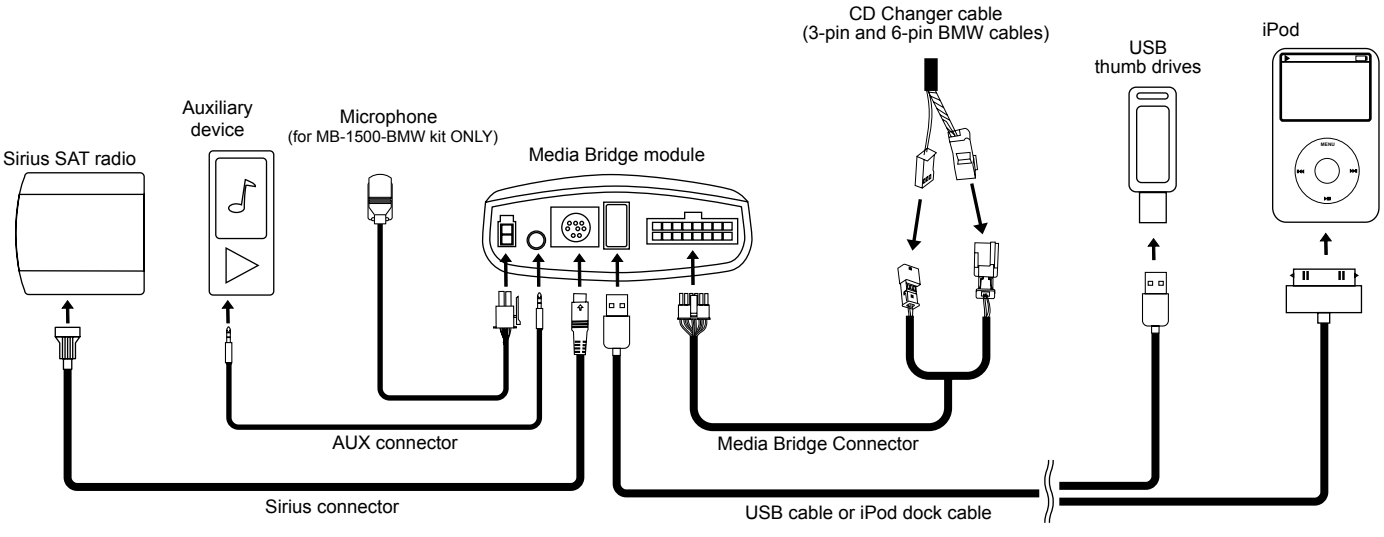
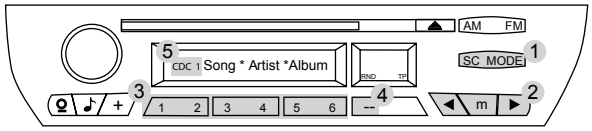


Operation Overview MEDIABRIDGE

BMW business CD radio



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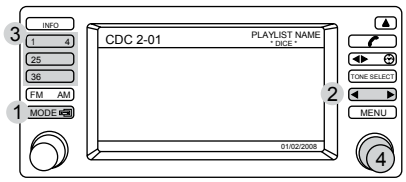
BMW radio with Navigation



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02	NavigationA	ll with nav.	15
03	Cluster/OBD	5-Series/7-Series/X5 w/o nav.	20
04	MIDA	lternate for 5-Series/7-Series/X5	11
05	Alternate LocationA	ll with nav.	8
06	Alt Locat.(large font)	All with nav.	8
07	Resume Text	Use if text does not resume after phone call	----
08	Motorcycle	05+ K1200	12
09	No Text	All	----

HONDA

DICE ELECTRONICS Integration solutions

HONDA

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration			
Honda	Universal	CD-Changer emulation	Satellite emulation	
Accord				
2003 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
1998 - 2002	FMRDS	R2 [3]		
Civic				
2006 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
1998 - 2005	FMRDS	R2 [3]		
CRV				
2005 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
1999 - 2004	FMRDS	R2 [3, 4]		
Element				
2003 - 2009 (EX/SC	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
2003 - 2009 (DX/LX)	FMRDS	R2 [3, 4]		
Fit				
2006 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]

Vehicle	Compatible Integration			
Honda	Universal	CD-Changer emulation	Satellite emulation	
Insight				
2000 - 2003	FMRDS	R2 [3]		
Odyssey				
2005 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
1998 - 2004	FMRDS	R2 [3, 4]		
Pilot				
2006 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
2003 - 2005	FMRDS	R2 [3, 4]		
Prelude				
1998 - 2002	FMRDS	R2 [3]		
Ridgeline				
2006 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
S2000				
2004 - 2009	FMRDS	R3/R4 [1]	R3/R4 [2]	MEDIABRIDGE [5]
2000 - 2003	FMRDS	R2 [3]		

Note for ALL:

- Text display not available in CDC emulation.
- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Navigation-equipped vehicles or factory satellite retention requires i-Honda-R4 kit.
2. Text available only in SAT emulation mode - Radio must have XM button and factory XM must be disconnected.
3. Not compatible with in-dash 6 CD system; external CD-changer must be disconnected.
4. Not compatible with Navigation system or Rear-Seat DVD Entertainment system.
5. Media Bridge requires radio have SAT or XM button.

Abbreviation Note:

i-Honda-R2 kit ↔ **R2**
i-Honda-R2/R3 kit ↔ **R2/R3**
FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod · Works with iPhone · Bluetooth · USB ready
SILVERLINE PRO

FAQs Before Purchasing the Ki t

R3/R4 MEDIABRIDGE How can I tell if my factory Acura radio will support text?
The factory radio must have an XM or SAT button.

R3/R4 MEDIABRIDGE Can the factory XM be retained?
Yes, factory XM can be retained with our Y-harness that is included in the i-Honda-R4 kit. Retaining XM requires the R3/R4 kit to be in CDC emulation mode. Media Bridge allows retention of satellite radio even in SAT emulation mode.

R3/R4 Are any of the operational features different between SAT-mode and CD-mode of the DICE R3/R4 unit?
Operating the iPod through the factory radio is nearly identical in both emulation modes. SAT-mode has the benefit of text display.

R2 R3/R4 MEDIABRIDGE Can the steering wheel controls operate my iPod?
Yes, the steering wheel controls can operate the iPod. Note: pressing and holding of the steering wheel button triggers its secondary function.

Installation Tips / Che ck List

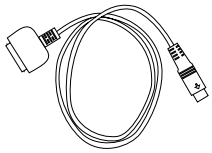
☐ R3/R4 To operate in SAT mode, the XM tuner must be physically disconnected. On Honda vehicles, this is usually located in the trunk area on the left or right side near the wheel-well. The newer (2007+) CR-V has it behind the glovebox up front. The Honda Ridgeline and Accord Hybrid (2005-07) have it behind the rear passenger seat.

☐ R3/R4 MEDIABRIDGE On 2004 Accord, if removing the storage bin in the lower part of the dash, have the door closed and it will be much easier to remove.

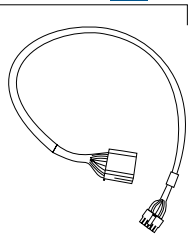
Content Identifier integration for iPod

user manual

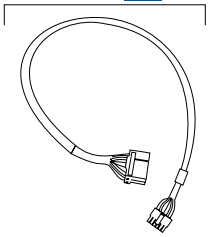
vehicle specific interface module


docking cable

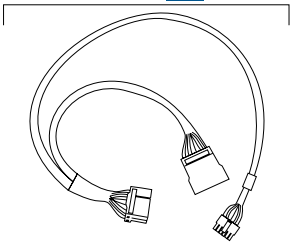
for i-Honda-R2 kit


Honda-R2 Bus Connector

for i-Honda-R3 kit


Honda-R3 Bus Connector (regular harness that is used for non-nav Acura and disables XM (if equipped))

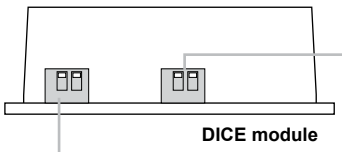
for i-Honda-R4 kit


Honda-R4 Bus Connector (Y-harness required for navigation-equipped Acura or to retain factory XM)

About Dip Switch Settings integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Honda-R2 kit:

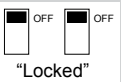


Car configuration switches

Default

Switches should remain in the default OFF position.

iPod configuration switches

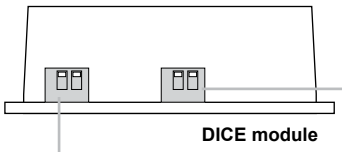


Default

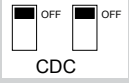
It is best selected when **text display is supported by the radio**. After the initialization the iPod will be locked for increased interface functionality

It is best selected when **text display is NOT supported by the radio**. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. **Content is selected on the iPod only**.

for i-Honda-R3/R4 kit:



Car configuration switches

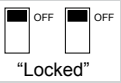


Default

Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it.

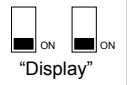
Recommended for Satellite (XM) capable radios. This type of emulation provides **full text display** on the radio. If Satellite (XM) is equipped it must be disconnected to operate flawlessly in this mode.

iPod configuration switches

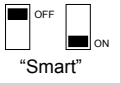


Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

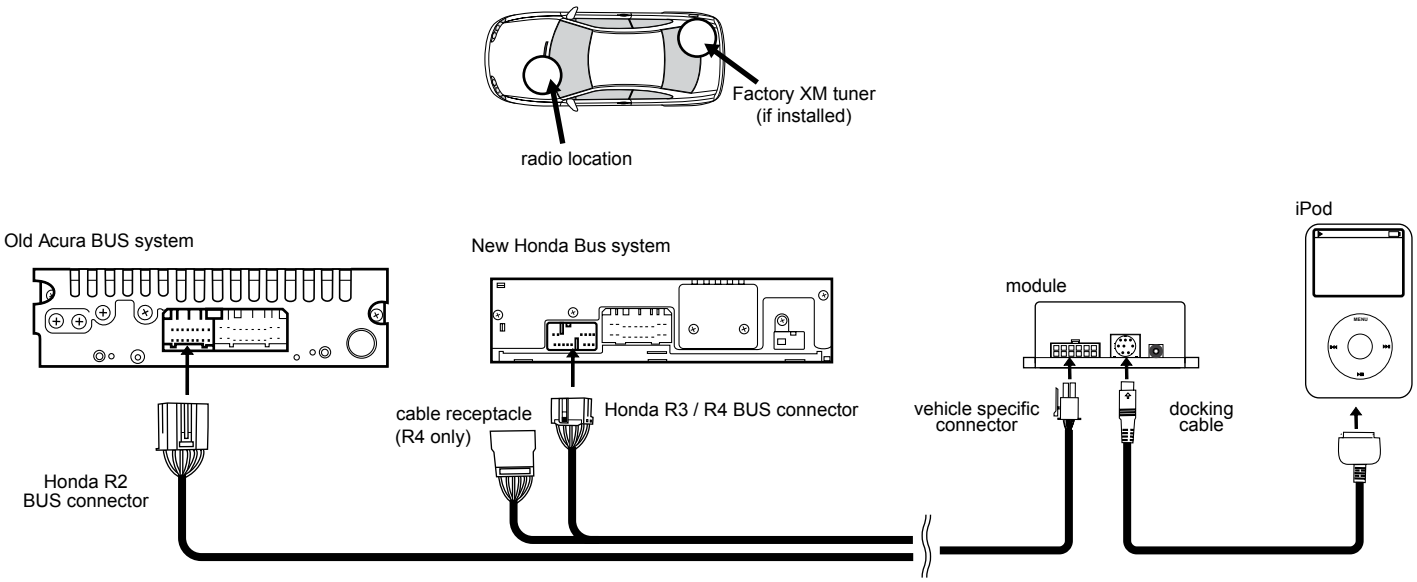


This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

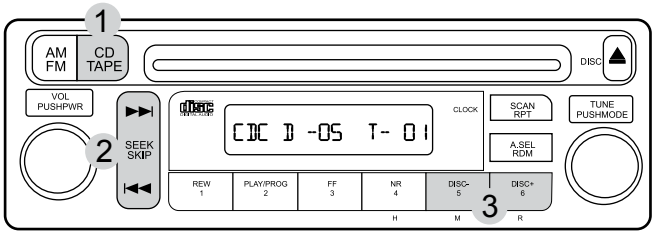
Connection Diagram integration for iPod



- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio

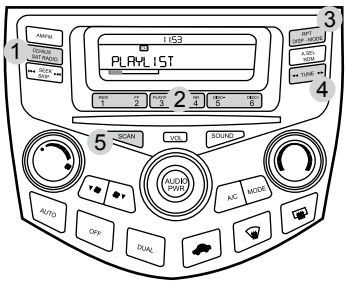
Operation Overview integration for iPod

CDC emulation



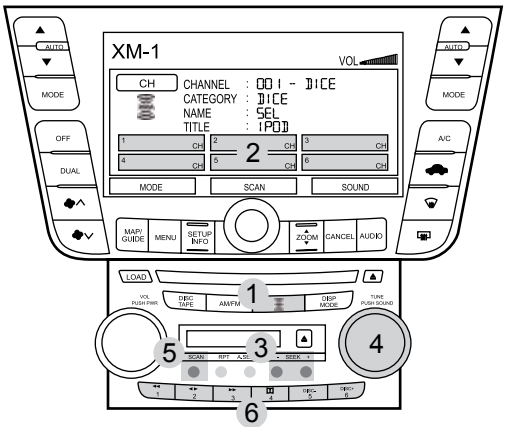
1. Source selector
2. Press to change track, press and hold to RW or FFW.
3. Press to change modes.

SAT emulation



1. Source selector
2. Use Presets to change modes.
3. Toggle between available text fields.
4. Press to change track.
5. Press to enable shuffle song.

SAT emulation with navigation system



1. Source selector
2. & 6. Use Presets to change modes.
3. Press to change track.
   or
4. Turn to change track.
5. Press to enable Shuffle Song.

Acura Specific Technical Notes

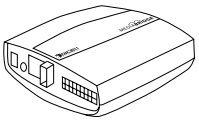
Integration for iPod

Problem	Solution
Cannot fit i-Honda-R2 kit into any of the ports on the radio or cannot fit i-Honda-R3/R4 into any of the ports on the radio	Various vehicle trim models (EX, LX, DX, etc.) can have different radios for a specific year. If the i-Honda-R2 connection doesn't fit into any ports, the i-Honda-R3/R4 will be required and vice versa.
iPod does not display the DICE logo when connected.	Reset iPod and make sure most recent iPod firmware is installed. Make sure all cables are connected properly. Note that iTouch does not display the logo.
Cannot select CD changer or SAT source.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed.
No text display.	Make sure DIP switch settings are correctly set for text display.
No audio from iPod source.	Reset the iPod. Verify proper connection to the interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.
Cannot find SAT mode.	If the radio does not have a SAT or XM button, then it will not support SAT emulation of the DICE module. Have the DICE module configured for CDC emulation.
Sound of factory installed satellite radio is bleeding through when the iPod audio source is selected.	The factory XM module must be disconnected. It is usually located in the trunk of the vehicle.

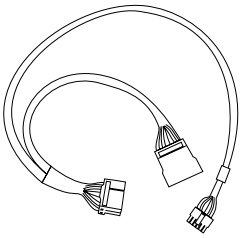
Content Identifier MEDIABRIDGE

for MB-1000-Honda kit & MB-1500-Honda kit:

user manual



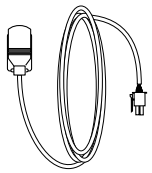
Media Bridge Module



Media Bridge Connector

(Y-harness required for navigation-equipped Acura or to retain factory XM)

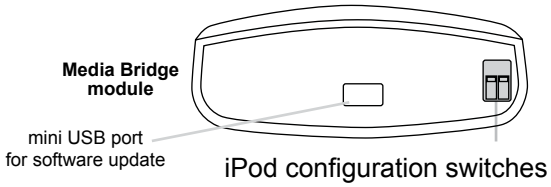
for MB-1500-Honda kit ONLY:



Microphone
(MB-1500 series only)

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

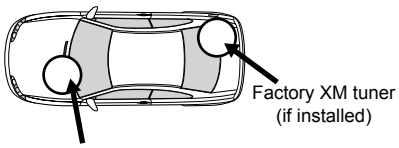


iPod configuration switches

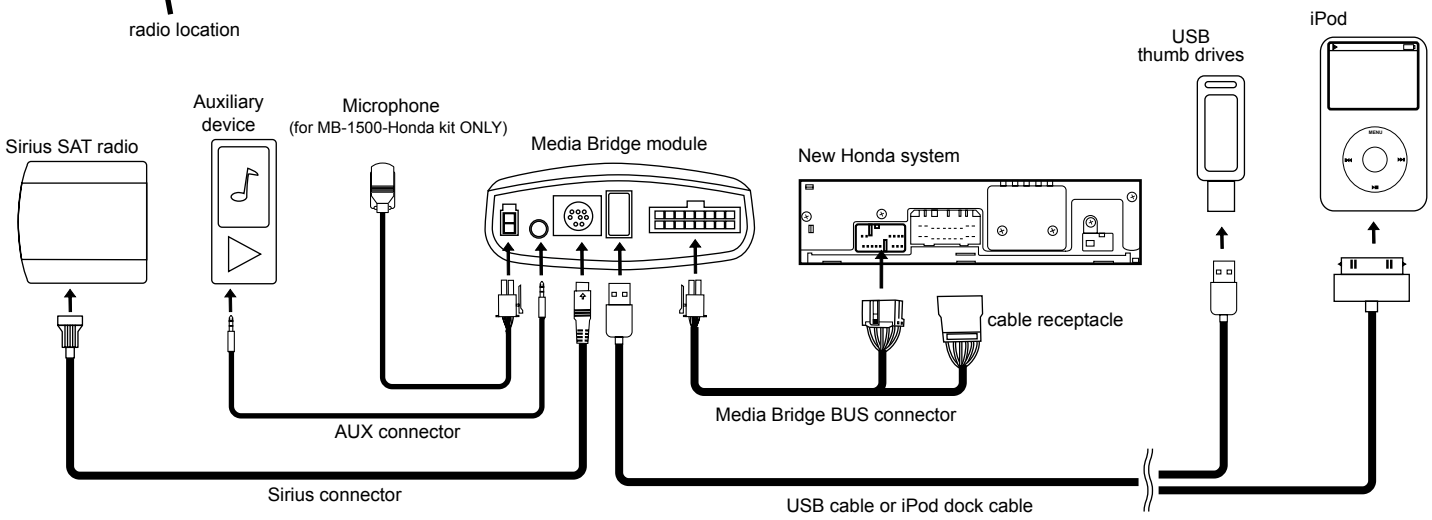
Car configuration switches

Features are not ready at the time of printing. Please check the user manual.

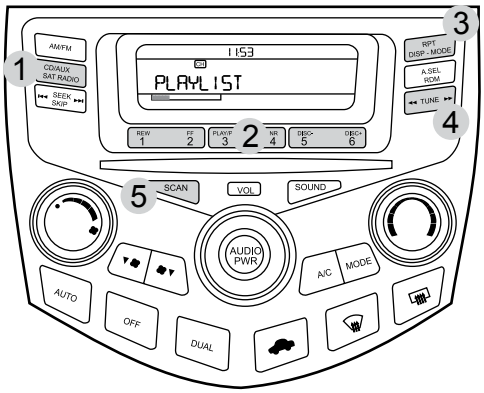
Connection Diagram MEDIABRIDGE



- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio

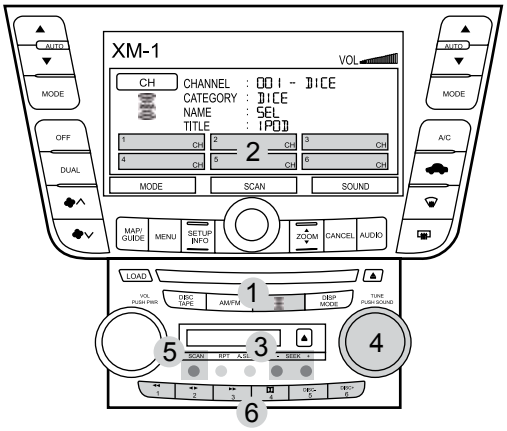


SAT emulation



1. Source selector
2. Use Presets to change modes.
3. Toggle between available text fields.
4. Press to change track.
5. Press to enable shuffle song.

SAT emulation with navigation system



1. Source selector
2. & 6 Use Presets to change modes.
3. Press to change track.
   or
4. Turn to change track.
5. Press to enable Shuffle Song.

INFINITI

DICE ELECTRONICS Integration solutions

INFINITI

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration		
Infiniti	Universal	Satellite emulation	
FX45			
2004 - 2008	FMRDS	R	MEDIABRIDGE
G35			
2004 - 2008	FMRDS	R [1]	MEDIABRIDGE
M35/45			
2007	FMRDS	R [2]	MEDIABRIDGE
QX56			
2007	FMRDS	R [2]	MEDIABRIDGE

Abbreviation Note:

i-Nissan-R kit ↔ **R**

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod

Works with iPhone

Bluetooth

USB ready

SILVERLINE PRO

Notes:

- Information based on preliminary research available at time of printing. Please call us for most up to date compatibility and feature information.
- Radio must have a "SAT" button or the "CAT" or "CATEGORY" feature somewhere on the radio.
- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Not compatible with navigation radios on 2007 - 2008 models.
2. Not compatible with navigation radios.

FAQs Before Purchasing the Kit

R MEDIABRIDGE How can I tell if my headunit is SAT-capable?
If the headunit has a SAT button it is SAT-capable. However, if the headunit has a RADIO button (no SAT button present), there must be buttons that allow for CAT (Category) and TUNE adjustment.

R MEDIABRIDGE What specifically is shown for text display?
The radio display will show Track title, Artist name, Album, and Playlists. There is also text displayed for various functions to let the user know what mode/function the unit is in. Media Bridge also shows text for its various functions.

R MEDIABRIDGE Do I have to disable my factory satellite radio when installing the DICE i-Nissan-R kit or the Media Bridge?
No, the factory satellite radio can be retained with our kit, even if the unit is set up in SAT-emulation mode.

R If my headunit is not SAT-capable, can I still utilize the DICE i-Nissan-R kit in my Nissan/Infiniti vehicle?
Yes, if your Nissan vehicle falls within the supported years on the Infiniti compatibility chart.

Installation Tips / Check List

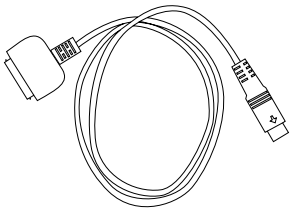
☐ R MEDIABRIDGE The factory connection that was disconnected from the radio must be reconnected into the Y-harness that comes with the DICE kit.

☐ FMRDS R MEDIABRIDGE The 12V Constant and Ignition wires must be properly attached to tested power sources.

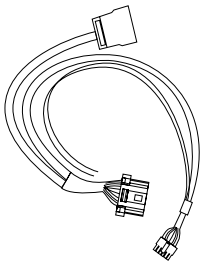
Content Identifier Integration for iPod

user manual

vehicle specific interface module



docking cable

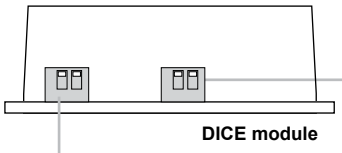


i-Nissan-R Bus Connector

About Dip Switch Settings Integration for iPod

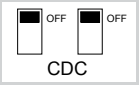
The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!** **Note:** Information based on preliminary research available at time of printing. Please call us for most up to date compatibility and feature information.

for i-Nissan- R kit:



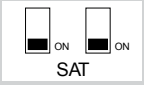
DICE module

Car configuration switches



CDC
Default

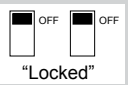
Recommended for radios **NOT supporting Satellite (XM)**.



SAT

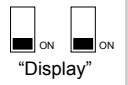
Recommended for Satellite (XM) capable radios. This type of emulation provides **full text display** on the radio.

iPod configuration switches



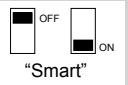
"Locked"
Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.



"Display"

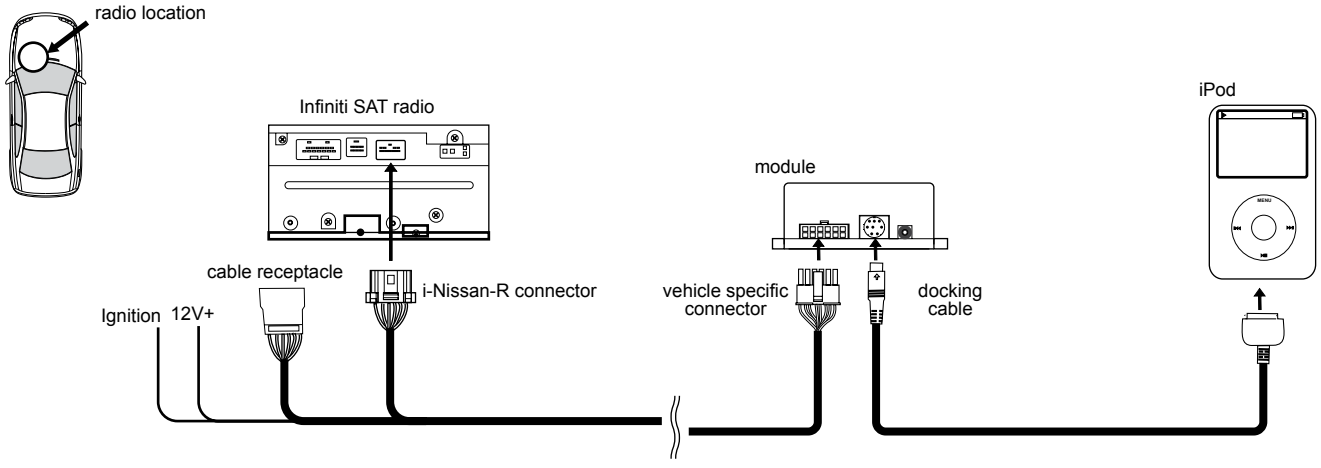
This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



"Smart"

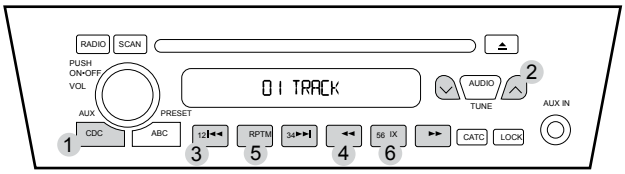
In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

Connection Diagram Integration for iPod



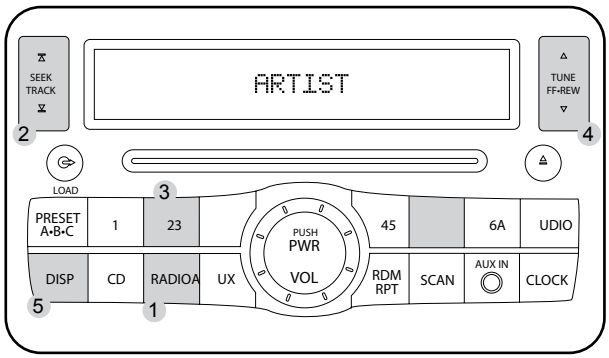
Operation Overview Integration for iPod

CDC radio

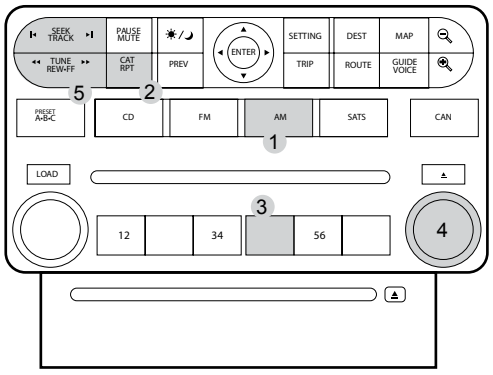


1. Select Mode CDC on radio
2. iPod interface mode selection
3. Track change
4. FF or FR
5. Repeat selection
6. Shuffle

SAT radio



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for FF and FR



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for FF and FR

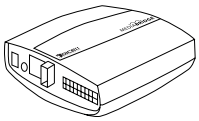
Infiniti Specific Technical Notes Integration for iPod

Problem	Solution
Cannot select CD changer or SAT source.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed.
No text display.	Make sure DIP switch settings are correctly set for text display.
No audio from iPod source.	Reset the iPod. Verify proper connection to the interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.
iPod does not display the DICE logo when connected.	Reset iPod and make sure most recent iPod firmware is installed. Make sure all cables are connected properly. Note that iTouch does not display the logo.

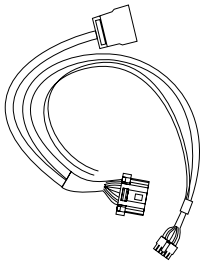
Content Identifier MEDIABRIDGE

for MB-1000-Nissan kit & MB-1500-Nissan kit:

user manual

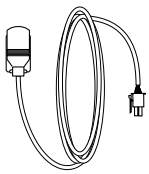


Media Bridge Module



Media Bridge Connector

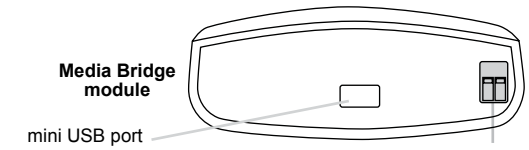
for MB-1500-Nissan kit ONLY:



Microphone

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

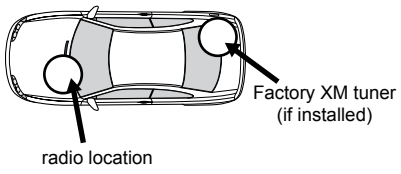


iPod configuration switches

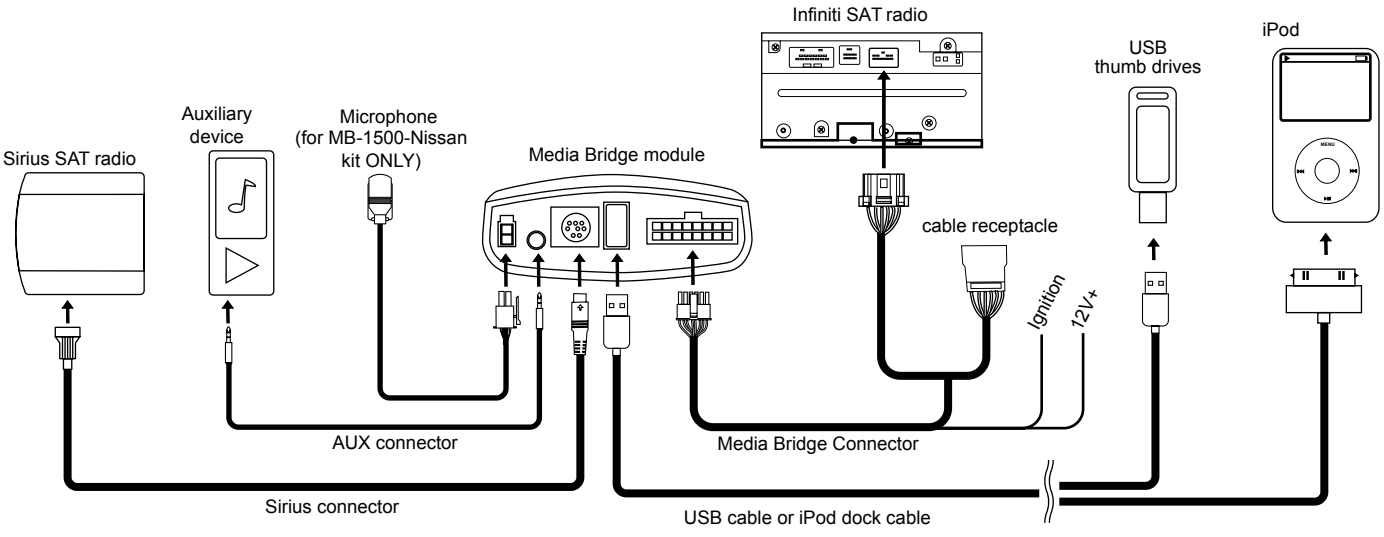
Car configuration switches

Features are not ready at the time of printing. Please check the user manual.

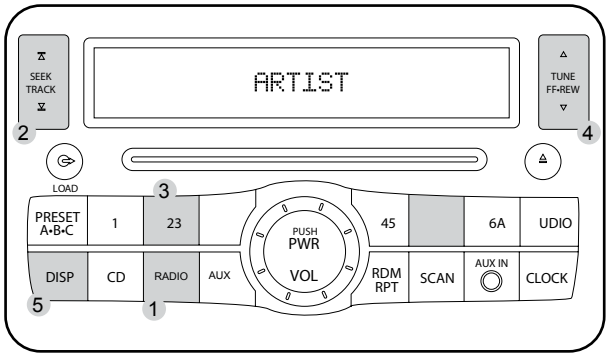
Connection Diagram MEDIABRIDGE



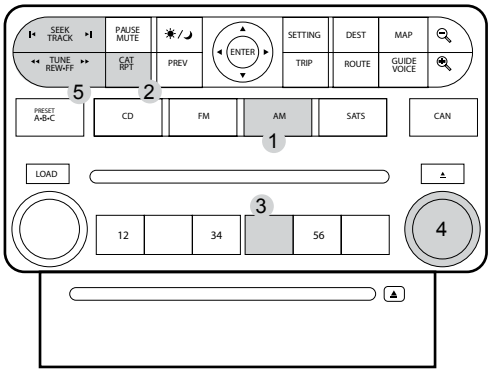
- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio



SAT radio



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for FF and RW



1. Radio mode selection
2. Cycle through iPod interface mode
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Listen to music from your USB Flash Drive.
LECTR

LEXUS

DICE ELECTRONICS Integration solutions

LEXUS

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration	
Lexus	Universal	CDC/MD/SAT/MP3 emulation
IS250/300/350		
2005 - 2009	FMRDS	R [1,2] MEDIABRIDGE [3]
ES300/330/350		
2005 - 2009	FMRDS	R [1,2] MEDIABRIDGE [3]
GS300/350/430/450h		
2006 - 2009	FMRDS	R [1,2] MEDIABRIDGE [3]
RX300/330/350/400h		
2004 - 2009	FMRDS	R [1,2] MEDIABRIDGE [3]
LS430/460/600h		
2003 - 2009	FMRDS	R [1,2] MEDIABRIDGE [3]
LX470/570		
2003-2009	FMRDS	R [1,2] MEDIABRIDGE [3]

Abbreviation Note:

i-Toyota-R kit ↔ R

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod · Works with iPhone · Bluetooth · USB ready · SILVERLINE PRO

Note:

- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Text display supported on 2003+ vehicles equipped with a CD-text, MP3-text, MD-text, or SAT capable factory radio (if your radio only supports RDS text (i.e. 2004 cars) with a MSG button, then consider the FMRDS kit if text is more important feature than radio control).
2. External CD-changer must be disconnected. Factory SAT can be retained.
3. Radio must support CD-text, MP3-text, or SAT capability.

FAQs Before Purchasing the Kit

R MEDIABRIDGE Do I lose functionality of any factory-installed devices in my vehicle?
Only an external CD-changer needs to be disabled (mainly 2004 and earlier models), other factory options can be retained because of DICE's multi-source integration.

R What are the different emulation modes for?
The i-Toyota-R kit offers four different modes to be operated in for retaining factory options (the mode options are CD-changer, Mini-DISC, Satellite, and MP3). Depending on the radio in your vehicle, one mode or another will offer TEXT display support.

R Can this kit be used on vehicle sold outside the US?
MD changer emulation is ideal for customers in the U.K. and Japan.

R MEDIABRIDGE If my vehicle's factory radio does not have a TEXT button present, does this mean my radio won't support text display?
No, it does not. Many late model touch-screen navigation systems in Toyota/Lexus (2005-2009) will have a TEXT button appear on screen to cycle between text fields.

R MEDIABRIDGE Will the i-Toyota-R support video playback on my navigation screen?
No, our iPod kit only transfers the audio and text information for the audio through your stereo system.

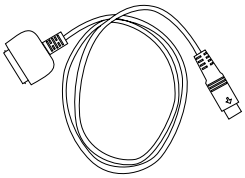
Installation Tips / Check List

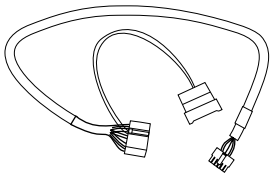
- ☐ FMRDS R MEDIABRIDGE For 2004-2009 Lexus RX models, after removing the panel in front of the shifter there will be four (10mm) bolts that need to be removed for the radio to slide out. Two are easily visible, but the other two are deeper inside at an upwards angle.
- ☐ FMRDS R MEDIABRIDGE Lexus radios are generally secured in with 10mm bolts.
- ☐ R Setting up the i-Toyota-R in SAT mode can offer a more intuitive (user-friendly) interface.

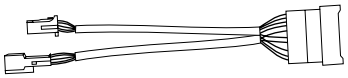
Content Identifier integration for iPod

user manual

vehicle specific interface module


iPod docking cable


Toyota01 BUS connector


Toyota03 BUS connector

About Dip Switch Settings integration for iPod

Identify your audio system

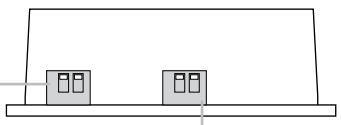
Select the emulation that best suits your vehicle. The following chart identifies the recommended emulation for the listed radios. Note that your vehicle may support more than one type of emulation.

Radios	External CDC	Factory SAT	CDC	MD*	SAT**	MP3
00-02 Tape/in-dash CD	not installed/disconnected	not available	✓	✓		
00-02 Tape/in-dash CD	present	not available		✓		
03-06 Tape/CD	not installed/disconnected	not installed	✓	✓	✓	
03-06 Tape/CD	not installed/disconnected	present	✓	✓		
03-06 Tape/CD	present	not installed		✓	✓	
03-06 Tape/CD	present	present		✓		
06-09 MP3 Navigation	not available	not present			✓	✓
06-09 MP3 Navigation	not available	present				✓

* Not all radios support MD mode. If an external MD changer is present, it must be disconnected.

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Toyota-R kit:



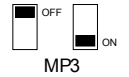
Car configuration switches

Default

Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it. Selected vehicles from 2003 offer CD Text - these radios have a Text button.

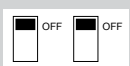
Recommended for **early model year radios with external CD- changer.** MD Text is only available on very few radios, typically navigation ones.

Recommended for radios if **SAT module is not present or disconnected and an external CD changer is used.** SAT mode is supported by high-end radios in selected models from 2003 in the US only.



Recommended for **late model Navigation radios only where factory SAT is installed** and user wishes to retain it. **Radios must support MP3 text.** New MP3 navigation cars support only MP3 text not CD Text.

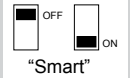
iPod configuration switches



Default

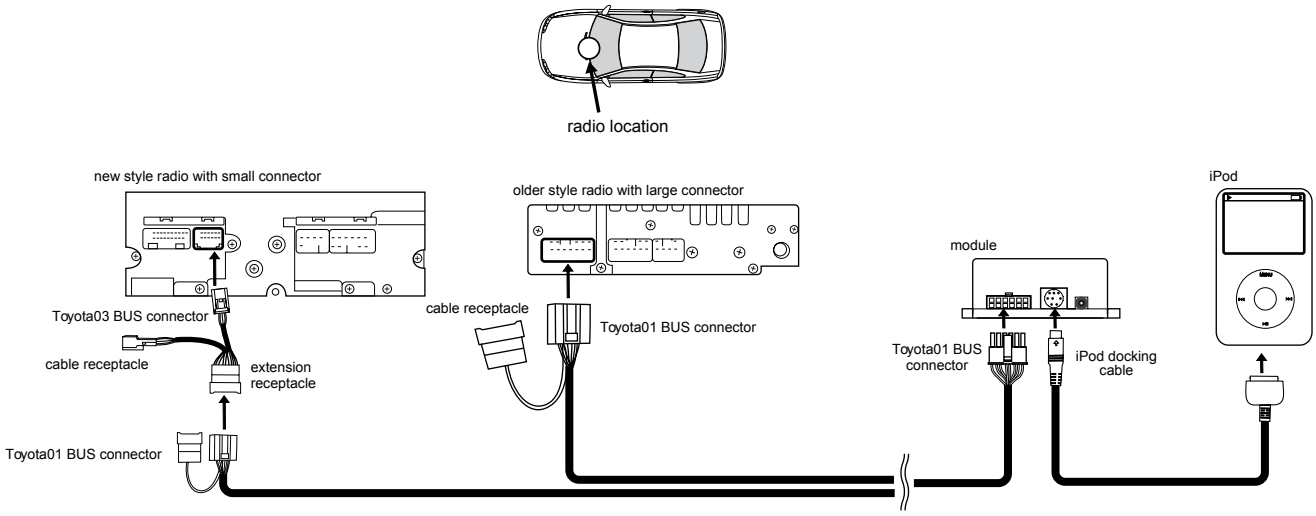
This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

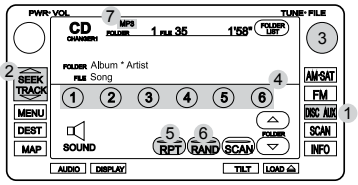
Connection Diagram integration for iPod



Note:
Plug the factory connection to the cable receptacle if it was removed from the radio.

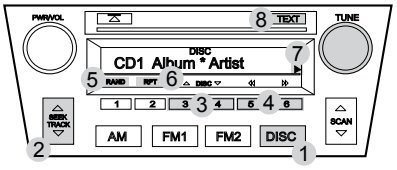
Operation Overview integration for iPod

MP3 emulation



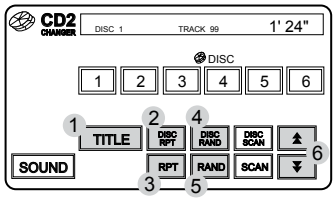
1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Press to select PRESET numbers 1 - 6.
5. Press RPT short to repeat one, long to repeat all.
6. Press RAND short to Shuffle Songs, long to Shuffle Albums.
7. Source indicator

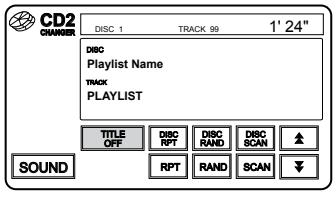
CDC/MD emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Press to change modes.
4. Press to RW or FFW.
5. Press RAND short to Shuffle Songs, long to Shuffle Albums.
6. Press RPT short to repeat one, long to repeat all.
7. Arrow shows if additional information is available. Hold TEXT button for more information.
8. Press the TEXT button to cycle between display fields.

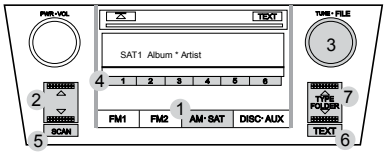
CDC/MD emulation (with Navigation)





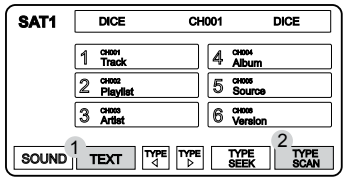
1. Press TITLE to toggle between screens.
2. Press DISC RPT to Repeat All.
3. Press RPT to Repeat One.
4. Press DISC RAND to shuffle Albums.
5. Press RAND to Shuffle Songs.
6. Press to change Track.

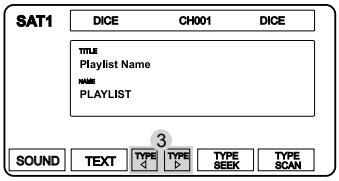
SAT emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Use Presets to change modes.
5. Use Scan to enable Shuffle Songs.
6. Press the TEXT button to toggle between available TEXT fields.
7. Use the TYPE button to engage/disengage RW or FFW

SAT emulation (with Navigation)





1. Press TEXT button to toggle between mode screen and title screen
2. Use TYPE SCAN to enable Shuffle Songs
3. Use the TYPE button to engage/disengage RW or FFW

Toyota Specific Technical Notes integration for iPod

Problem	Solution
Text is not displaying in selected emulation.	Identify your audio system (refer to Installation tip section) first and set switches accordingly. Note that your vehicle may support more than one mode.
Radio/Nav display only shows DISC/Preset and Track/Channel numbers, but there is no iPod control	Select DISC/Preset 5 and make sure it is set to Track/Channel1.
Cannot select the interface.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure the most recent iPod firmware is installed. Check vehicle user manual on how steering wheel controls work.
The interface operates very intermittently and erratically in SAT mode.	Make sure that if the unit is being operated in SAT mode, the factory satellite tuner is disconnected in the vehicle. Otherwise, the unit will have to be set up in a different emulation mode (CD, MP3, MD).
No audio from iPod source.	Reset the iPod. Verify proper connection to iPod/interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Make sure all EQ and BASS boost options are turned off on your iPod.

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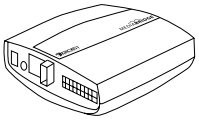
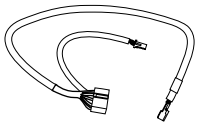
user manual

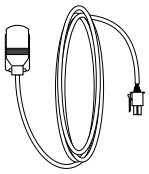


Media Bridge Module



Media Bridge Connector

for MB-1500-Toyota kit ONLY:



Microphone
(MB-1500 series only)

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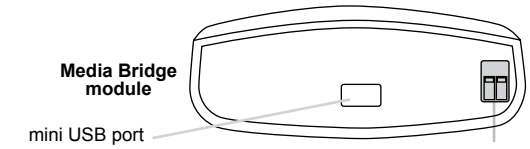


iPod configuration switches

Car configuration switches

Default

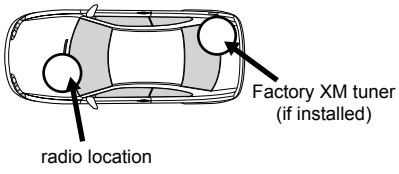
Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it. Selected vehicles from 2003 offer CD Text - these radios have a Text button.

Recommended for **early model year radios with external CD- changer.** MD Text is only available on very few radios, typically navigation ones.

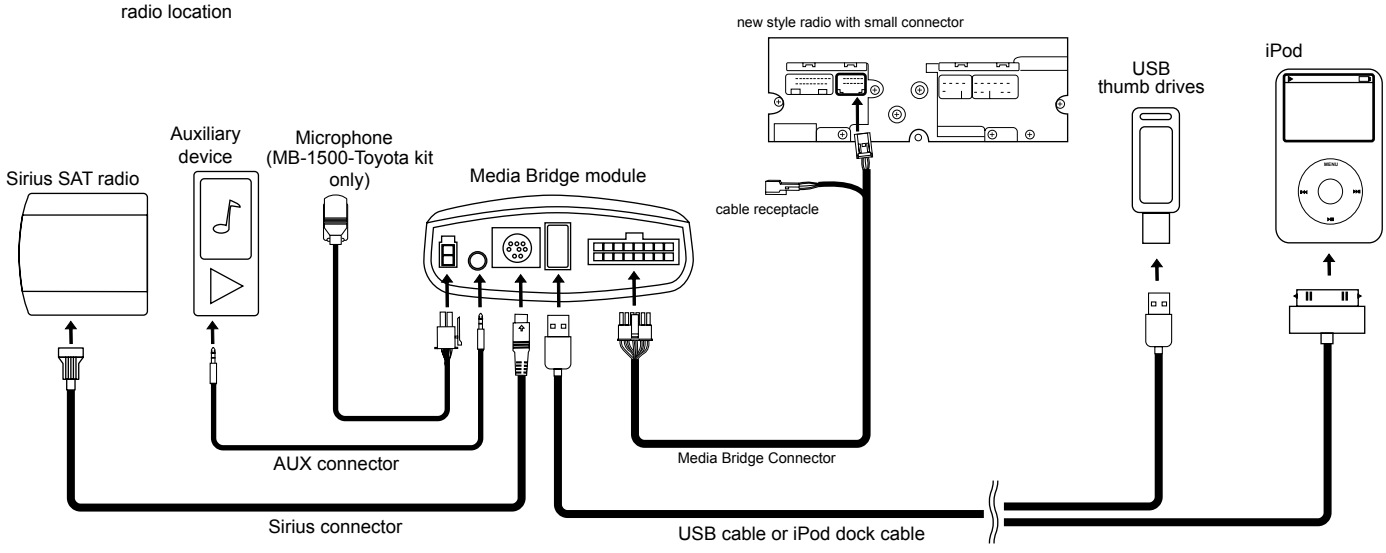
Recommended for radios if **SAT module is not present or disconnected and an external CD changer is used.** SAT mode is supported by high-end radios in selected models from 2003 in the US only.

Recommended for **late model Navigation radios only where factory SAT is installed** and user wishes to retain it. **Radios must support MP3 text.** New MP3 navigation cars support only MP3 text not CD Text.

Connection Diagram MEDIABRIDGE

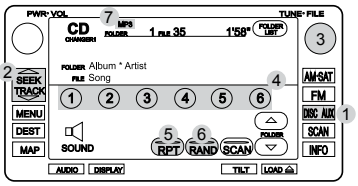


- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio



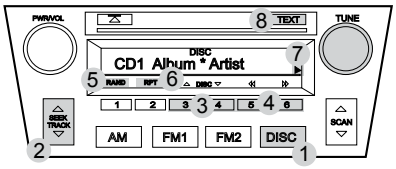
Operation Overview MEDIABRIDGE

MP3 emulation



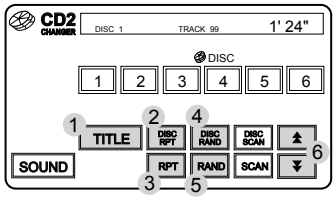
1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Press to select PRESET numbers 1 - 6.
5. Press RPT short to repeat one, long to repeat all.
6. Press RAND short to Shuffle Songs, long to Shuffle Albums.
7. Source indicator

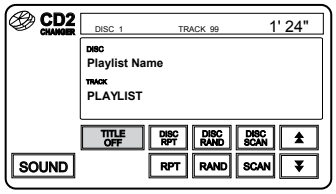
CDC/MD emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Press to change modes.
4. Press to RW or FFW.
5. Press RAND short to Shuffle Songs, long to Shuffle Albums.
6. Press RPT short to repeat one, long to repeat all.
7. Arrow shows if additional information is available. Hold TEXT button for more information.
8. Press the TEXT button to cycle between display fields.

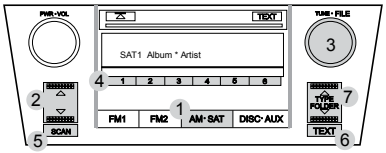
CDC/MD emulation (with Navigation)





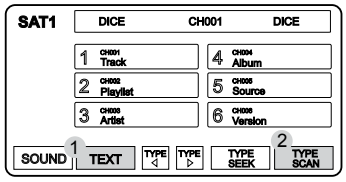
1. Press TITLE to toggle between screens.
2. Press DISC RPT to Repeat All.
3. Press RPT to Repeat One.
4. Press DISC RAND to shuffle Albums.
5. Press RAND to Shuffle Songs.
6. Press to change Track.

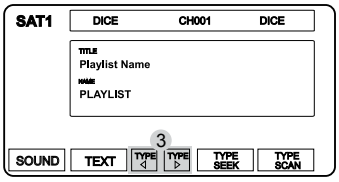
SAT emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Use Presets to change modes.
5. Use Scan to enable Shuffle Songs.
6. Press the TEXT button to toggle between available TEXT fields.
7. Use the TYPE button to engage/disengage RW or FFW

SAT emulation (with Navigation)





1. Press TEXT button to toggle between mode screen and title screen
2. Use TYPE SCAN to enable Shuffle Songs
3. Use the TYPE button to engage/disengage RW or FFW

MAZDA

DICE ELECTRONICS Integration solutions

MAZDA

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration		
Mazda	Universal	CD-Changer emulation	Satellite emulation
3			
2004 - 2007	FMRDS	R [1]	R2 [1, 2]
5			
2005 - 2008	FMRDS	R [1]	R2 [1, 2]
6			
2003 - 2008	FMRDS	R [1, 3]	R2 [1, 2]
CX-7/9			
2007 - 2008	FMRDS		R2 [1, 2]
Miata/MX-5			
2003 - 2008	FMRDS	R [1]	R2 [1, 2]
MPV			
2002-2008	FMRDS	R [1]	R2 [1, 2]
RX8			
2004 - 2009	FMRDS	R [1]	R2 [1, 2]
Tribute			
2002 - 2008	FMRDS	R [1]	R2 [1, 2]

Abbreviation Note:

i-Mazda-R kit ↔ **R**

i-Mazda-R2 kit ↔ **R**

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod

SILVERLINE PRO

Notes:

- Text display not available in CDC emulation.
- Mazda CDC radio requires firmware version 9.55 or higher.

1. Factory satellite radio and/or external CD-changer must be disconnected if equipped.
2. Text display supported but radio MUST have SAT button present for i-Mazda-R2 compatibility.
3. 2004 model may not accept external CDC input and requires radio modification.

FAQs Before Purchasing the Kit

R R2 How can I check the firmware of my radio in my Mazda RX-8?
When on FM source, hold TEXT and Preset 1 at the same time and the firmware version should appear on the radio screen.

R R2 I have factory satellite radio, can I retain this option?
No, the factory satellite radio must be disconnected when integrating one of our Mazda iPod kits.

R What kind of modification is required on the 2004 Mazda 6?
The modification required is soldering a component onto the radio's circuit board, which can be done by a professional audio shop. This modification is not always required.

R2 Will the text scroll on my Mazda's radio display with the i-Mazda-R2 kit?
Yes, the default setting of the i-Mazda-R2 kit is to auto-scroll the title and artist of the song.

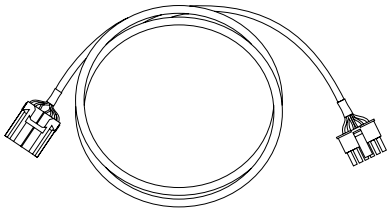
Installation Tips / Check List

- ☐ FMRDS R R2 On the CX-9, the trim pieces around the radio/dash and console need to be popped off first; then you access the screws holding the radio.
- ☐ FMRDS R R2 The Mazda3's center console pops up with clips. The shift knob can be removed by rotating it counter-clockwise.
- ☐ R To enhance the user experience, it is recommended to set the iPod configuration switches to iPod mode on non-text capable radios as this configuration will keep the direct iPod controls unlocked.

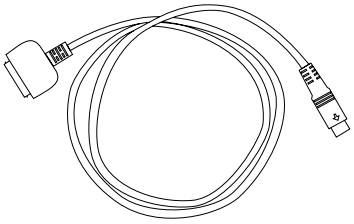
Content Identifier Integration for iPod

user manual

vehicle specific interface module



Mazda connector

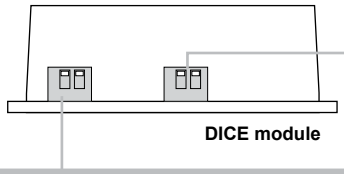


iPod docking cable

About Dip Switch Settings Integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Mazda- R kit:



Car configuration switches

OFF OFF
CDC
Default

Switches should remain in the default OFF position.

iPod configuration switches

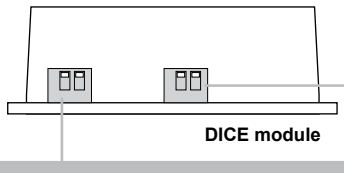
OFF OFF
"Locked"
Default

This is best selected when **controls from the radio** are preferred. Use this mode to browse within the contents of the iPod by category.

ON ON
"iPod"

This is best selected when **text display is NOT supported** by the radio. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time.

for i-Mazda- R2 kit:



Car configuration switches

OFF OFF
Single text fields
Default

This is the recommended setting for Non-Nav radios. In this setting the Name and Title text fields displays identical song information (Song name*Album*Artist). Only Short Scrolling can be selected in Preset 6.

ON ON
Dual text fields

This setting is recommended for **Navigation radios or for Non-Nav radios when manual scroll feature is preferred.**
In this setting, the Title text field will display "Album * Artist" and the Name text field will display "Song name".
Both Short scrolling and Long Static can be selected in Preset 6.

iPod configuration switches

OFF OFF
"Locked"
Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

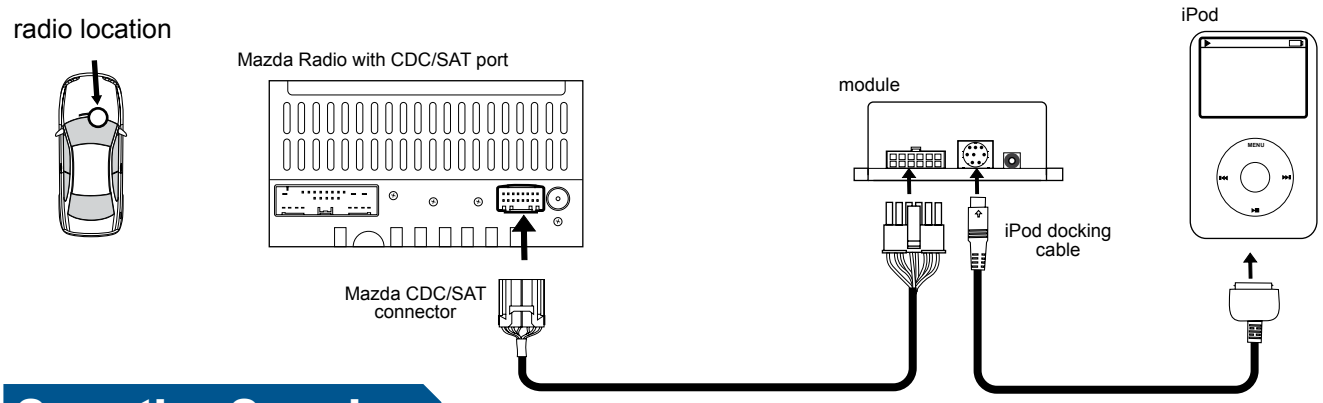
ON ON
"Display"

This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.

OFF ON
"Smart"

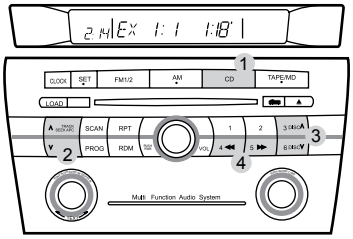
In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

Connection Diagram Integration for iPod



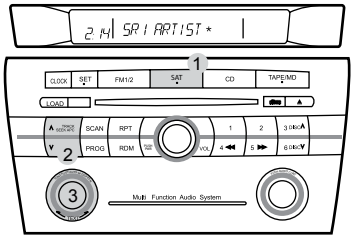
Operation Overview Integration for iPod

CDC emulation



1. Source selector
2. Press to change Track
3. Press to change modes.
4. Press to RW or FFW.

SAT emulation



1. Source selector
2. Next / Previous track. Double-click to change modes.
3. Press to toggle between available text fields. TURN to scroll text.

Mazda Specific Technical Notes Integration for iPod

Problem	Solution
Cannot select the interface.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface. 2004 Mazda6 may require radio modification to accept external CD changer connection.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed. Check vehicle user manual on how steering wheel controls work. Not all Mazda vehicles support track changing from the steering wheel.
No text display.	Make sure DIP switch settings are correctly set for text display.
Text not showing or cannot cycle between text fields.	On some Mazda vehicles (Mazda 6), the DISP button is used for cycling the different text fields. Also check dip switch settings.
iPod does not charge.	Check all connections. Reset iPod and make sure iPod charges while connected to computer or wall charger.
Radio continues to display "UPDATING" for more than one minute.	Turn the power off to the radio and then back on again.
Unexpected operation in SAT mode.	The control interface in SAT mode is very different from the interfaces used on other vehicles, please carefully check the user manual.

Advanced solutions for every vehicle.

MERCEDES

DICE ELECTRONICS Integration solutions

MERCEDES

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration			
Mercedes	Universal	CDC radio	Navi. radio	non-Navi. radio
C-Class				
2005 - 2007	FMRDS		MB-42 [2]	MB-43 [2]
1999 - 2004	FMRDS	D2B [1, 2]		
CL-Class				
2004 - 2006	FMRDS		MB-42 [2]	MB-43 [2]
2000 - 2003	FMRDS			
CLK-Class				
2005 - 2009	FMRDS		MB-42 [2]	MB-43 [2, 3, 4]
1999 - 2004	FMRDS	D2B [1, 2]		
CLS-Class				
2005 - 2008	FMRDS		MB-42 [2]	
E-Class				
2003 - 2008	FMRDS		MB-42 [2]	MB-43 [2]
G-Class				
2007 - 2009	FMRDS		MB-42 [2]	MB-43 [5, 6]
1999 - 2005	FMRDS	D2B [1, 2]		
GL-Class				
2007 - 2008	FMRDS		MB-42 [2]	MB-43 [2]
Maybach				
2004 - 2008	FMRDS		MB-42 [2]	
ML-Class				
2006 - 2008	FMRDS		MB-42 [2]	MB-43 [2]
2001 - 2005	FMRDS	D2B [1, 2]		
R-Class				
2006 - 2008	FMRDS		MB-42 [2]	MB-43 [2]
S-Class				
2004 - 2006	FMRDS		MB-42 [2]	MB-43 [2]
2001 - 2003	FMRDS	D2B [1, 2]		
SL-Class				
2006 - 2008	FMRDS		MB-42 [2]	MB-43 [2]
2005	FMRDS			MB-43 [2]
2001 - 2004	FMRDS	D2B [1, 2]		
SLK-Class				
2005 - 2008	FMRDS		MB-42 [2]	MB-43 [2]
1999 - 2004	FMRDS	D2B [1, 2]		

Abbreviation Note:

i-Mercedes-D2B kit ↔ D2B

mo-Mercedes-42 kit ↔ MB-42

mo-Mercedes-43 kit ↔ MB-43

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod

- For the most updated information on **MB-42/43** , please visit our website at www.diceelectronics.com

1. Only compatible with Audio 10, Audio 30, COMAND 2.0, or COMAND 2.5 radio. Audio is non-nav, COMAND is navigation.
2. External CD-Changer must be disconnected.
3. 2003 may be compatible. Verify head unit type before ordering.
4. Early 2005 cars may be D2B. Verify closely 2005 car is either COMAND MOST or Audio 20/50 for compatibility.
5. Special (long) harness maybe needed for G-Wagon if mounting in rear of the vehicle, particularly if equipped with SAT radio.
6. For listed 2009 models, please make sure it is COMAND or Audio 20/50 and not the new NTG2.5 or Audio30 headunits. Mercedes could change over to the new head-units mid-production but for these models they are still fitting the old COMAND and Audio20/50.

FAQs Before Purchasing the Kit

Integration for iPod

D2B MB-42/43 Will my factory 6-CD changer be disabled with this unit installed?
Yes, the factory CD changer must be disabled to have the iPod kit integrated into the factory radio system.

D2B MB-42/43 Can I install this unit myself?
It is recommended that this integration kit be installed by a professional that has experience installing fiber-optic systems. It can be installed directly behind the navigation unit, or at the CD-changer location.

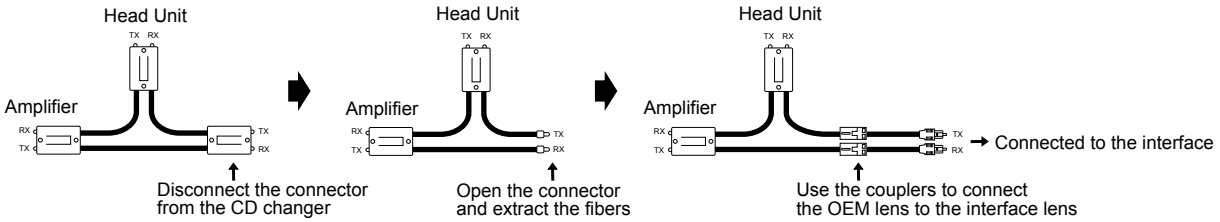
MB-42 What will my navigation screen display while operating my iPod?
The display will allow you to see and browse Playlists, Artists, Albums, Genre, and Songs within these categories for mo-Mercedes-42 kit.

MB-42/43 Can I set the unit to a mode where I can use my iPod directly?
Yes, through the radio you can set up the unit for iPod control, and the iPod becomes unlocked, but this disables text and browsing controls through the radio.

Installation Tips / Check List

Integration for iPod

For D2B kit, if the CD changer is present in the vehicle, please follow the steps below:

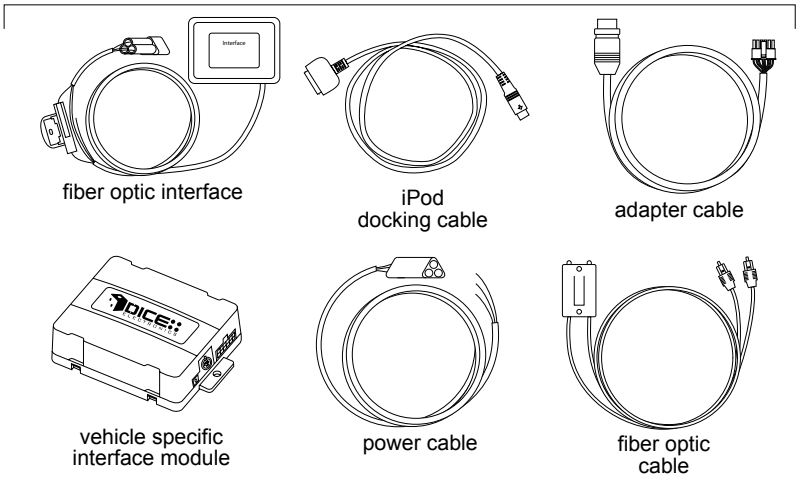


☐ D2B MB-42/43 Installation can sometimes easily be done at the CD changer location. Since the CD changer is disconnected anyway, the integration can take place there.

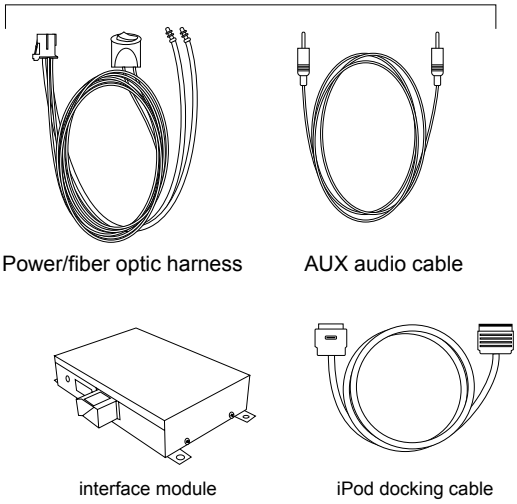
Content Identifier

Integration for iPod

for i-Mercedes- D2B kit:



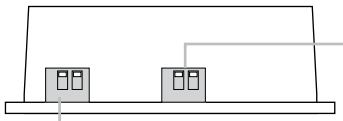
for mo- Mercedes-42/43 kit



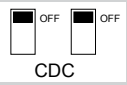
About Dip Switch Settings Integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Mercedes-D2B kit:

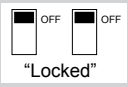


Car configuration switches



Switches should remain in the default OFF position.

iPod configuration switches



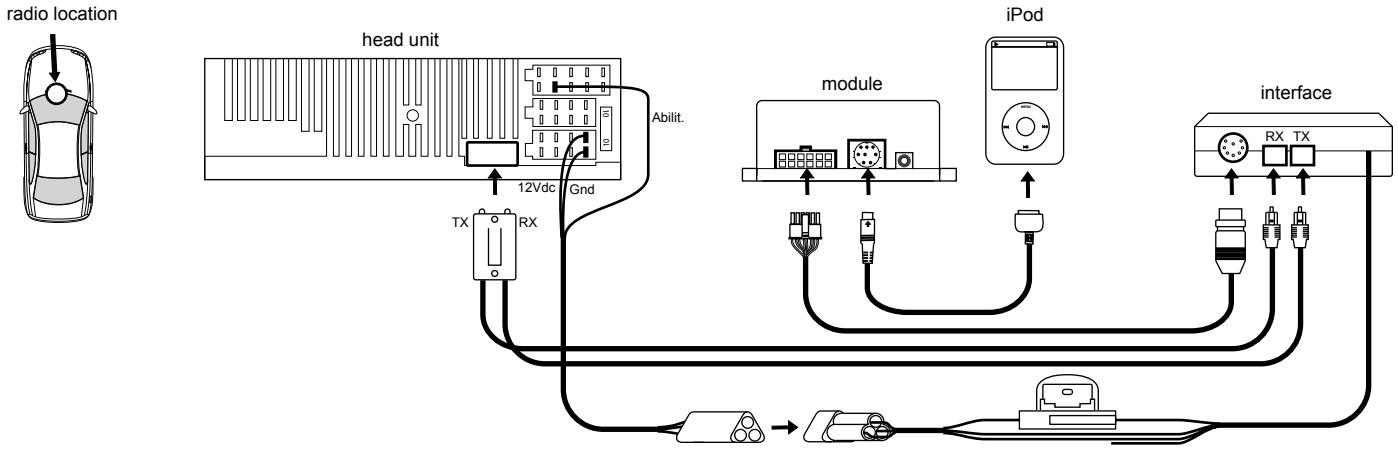
This is best selected when **advanced controls on the radio are used.** After the initialization the iPod will be locked for an increased interface functionality.

This is best selected when **text display is not supported** by the radio and **user wishes to retain iPod control**. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. **Content is selected on the iPod**.

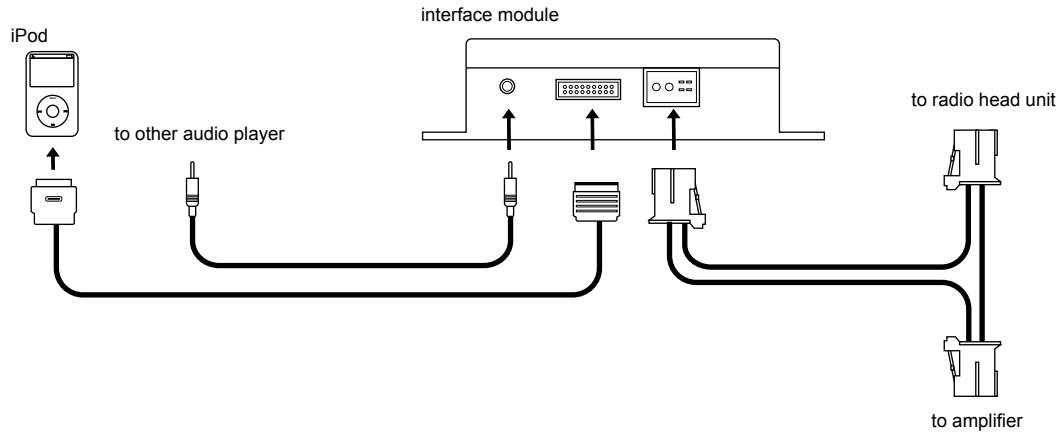
Connection Diagram Integration for iPod

Note: further instruction in the installation tips/check list

for i-Mercedes-D2B kit:

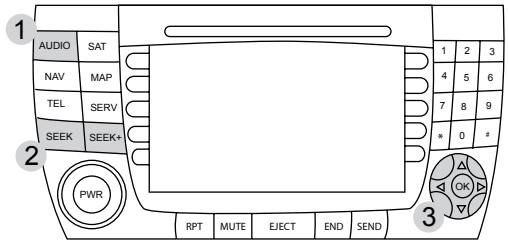


for mo-Mercedes-43 kit



Operation Overview Integration for iPod

MOST navigation radio



1. Brings up audio sources on screen. Select CDC.
2. Press to change track.
3. Use up/down arrows to scroll through menu options. Use left/right arrows for RW/FFW

Mercedes Specific Technical Notes Integration for iPod

for i-Mercedes- D2B kit:

Problem	Solution
Cannot select the interface from the radio.	Make sure dip switches are set correctly according to the dip switch setting diagram. Use CD button to access the DICE unit. Also check connections, making sure power, ground, and wake-up wires are all attached/tapped in properly.
There is no audio from the iPod source.	Try resetting the iPod and insure that the iPod cable connections are tightly connected.
Audio is present, but controls from radio/steering wheel do not operate iPod.	The unit may be stuck in Auxiliary mode.Select DISC 5 and set to Track 01. Switch back to DISC 1 and try changing track.
The iPod does not charge.	Check all connections. Try resetting the iPod and make sure iPod charges while connected to computer or wall charger.
Music is distorted or sound level is too low.	Make sure all EQ and BASS boost options are turned off on your iPod.
Pressing the next track button only cuts out the audio for a brief second and continues on the same song.	Double-click the next track button or hold the next track button for a little longer and it will skip to the next song.
Unit is connected directly to head unit, but is not being detected.	Make sure the factory CD-Changer (if equipped) is disconnected and by-passed with the fiber-optic cabling.

for mo- Mercedes-43 kit

Problem	Solution
My iPod does not charge or synchronize with the integration system.	Reset the iPod by holding down the Menu button and center button together until the Apple logo appears on screen. New models of iPod may not charge because of altered charging method (4th gen. Nano, 2nd gen. Touch, 3G iPhone).
The navigation screen does not come up with the regular menu, it just stays on the "Mercedes" display and will not operate anything.	This may be because the fiber-optic in and out cables are put in backwards. Just swap the two fiber optic cables in the connector from the DICE kit and the flow of light should be back to normal.
Where do the orange and brown wires need to be attached to?	The orange wire must be connected to Constant 12V power, and the brown wire needs to be attached to a ground source.
My navigation system comes on and the sources are operable, however I cannot consistently operate or access the CD-Changer source.	Make sure the factory CD-changer is disconnected and the fiber-optic cables that were disconnected from it are connected to our unit properly.

NISSAN

DICE ELECTRONICS Integration solutions

NISSAN

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration		
Nissan	Universal	Satellite emulation	
350Z			
2002 - 2009	FMRDS	R	MEDIABRIDGE
Altima			
2003 - 2009	FMRDS	R [1]	MEDIABRIDGE
Armada			
2003 - 2005	FMRDS	R [2]	MEDIABRIDGE
Frontier			
2003 - 2009	FMRDS	R	MEDIABRIDGE
Maxima			
2000 - 2005	FMRDS	R [3]	MEDIABRIDGE
Pathfinder			
2006 - 2009	FMRDS	R [2]	MEDIABRIDGE
Quest			
2002 - 2009	FMRDS	R [2]	MEDIABRIDGE
Rogue			
2002 - 2009	FMRDS	R [2]	MEDIABRIDGE
Sentra			
2000 - 2005	FMRDS	R [2]	MEDIABRIDGE
Titan			
2000 - 2005	FMRDS	R [2]	MEDIABRIDGE
Versa			
2006 - 2009	FMRDS	R [2]	MEDIABRIDGE
Xterra			
2002 - 2009	FMRDS	R [2]	MEDIABRIDGE

Abbreviation Note:

i-Nissan-R kit ↔ **R**

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod

Works with iPhone

Bluetooth

USB ready

SILVERLINE PRO

Notes:

- Information based on preliminary research available at time of printing. Please call us for most up to date compatibility and feature information.
- Radio must have a "SAT" button or the "CAT" or "CATEGORY" feature somewhere on the radio.
- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Not compatible with navigation radios on 2007 - 2009 models.
2. Not compatible with navigation radios.
3. Not compatible with navigation radios on 2009 models.

FAQs Before Purchasing the Kit

R MEDIABRIDGE How can I tell if my headunit is SAT-capable?
If the headunit has a SAT button it is SAT-capable. However, if the headunit has a RADIO button (no SAT button present), there must be buttons that allow for CAT (Category) and TUNE adjustment.

R MEDIABRIDGE What specifically is shown for text display?
The radio display will show Track title, Artist name, Album, and Playlists. There is also text displayed for various functions to let the user know what mode/function the unit is in. Media Bridge also shows text for its various functions.

R MEDIABRIDGE Do I have to disable my factory satellite radio when installing the DICE i-Nissan-R kit or the Media Bridge?
No, the factory satellite radio can be retained with our kit, even if the unit is set up in SAT-emulation mode.

R If my head unit is not SAT-capable, can I still utilize the DICE i-Nissan-R kit in my Nissan vehicle?
Yes, if your Nissan vehicle falls within the supported years on the Nissan compatibility chart.

Installation Tips / Check List

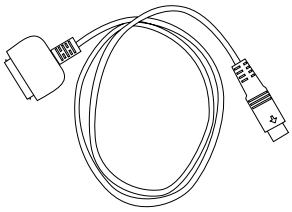
☐ R MEDIABRIDGE The factory connection that was disconnected from the radio must be reconnected into the Y-harness that comes with the DICE kit.

☐ FMRDS R MEDIABRIDGE The 12V Constant and Ignition wires must be properly attached to tested power sources.

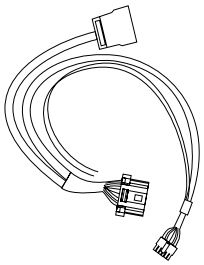
Content Identifier Integration for iPod

user manual

vehicle specific interface module



docking cable

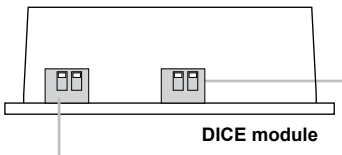


i-Nissan-R Bus Connector

About Dip Switch Settings Integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!** **Note:** Information based on preliminary research available at time of printing. Please call us for most up to date compatibility and feature information.

for i-Nissan- R kit:

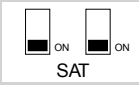


DICE module

Car configuration switches

CDC
Default

Recommended for radios **NOT supporting Satellite (XM)**.



SAT

Recommended for Satellite (XM) capable radios. This type of emulation provides **full text display** on the radio.

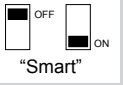
iPod configuration switches

"Locked"
Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

"Display"

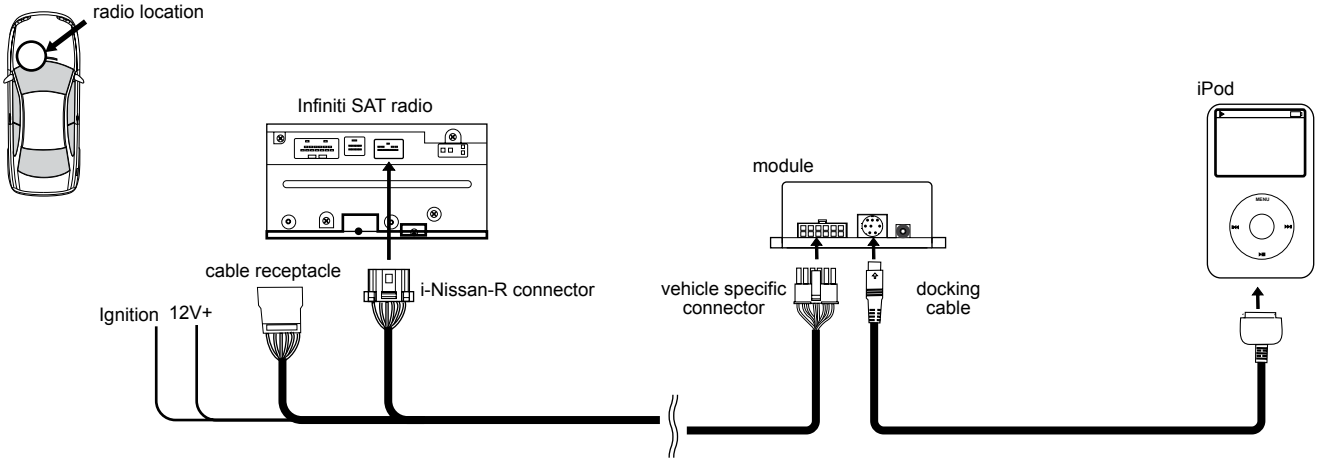
This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



"Smart"

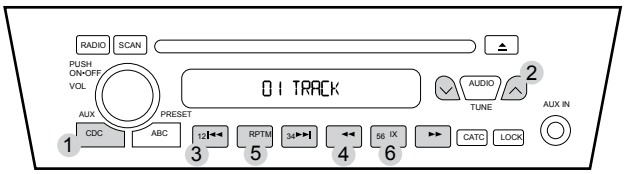
In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

Connection Diagram Integration for iPod



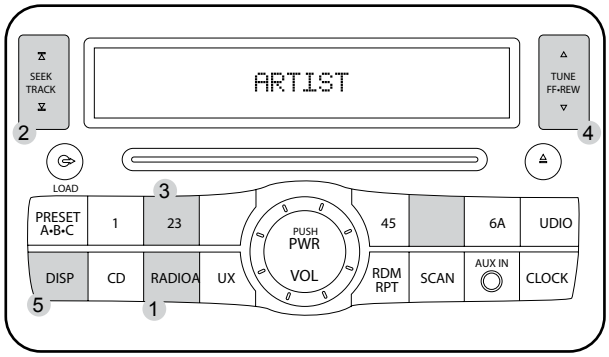
Operation Overview Integration for iPod

CDC radio

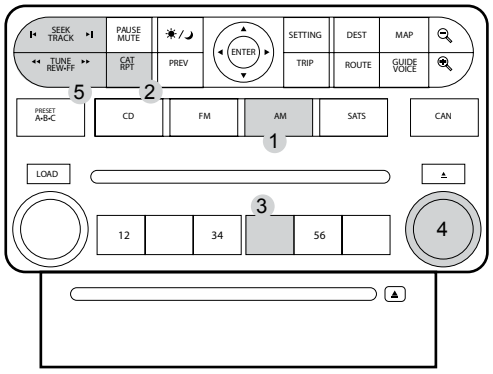


1. Select Mode CDC on radio
2. iPod interface mode selection
3. Track change
4. RW or FFW
5. Repeat selection
6. Shuffle

SAT radio



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for RW or FFW



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for RW or FFW

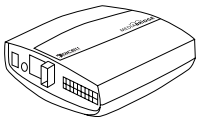
Infiniti Specific Technical Notes Integration for iPod

Problem	Solution
Cannot select CD changer or SAT source.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed.
No text display.	Make sure DIP switch settings are correctly set for text display.
No audio from iPod source.	Reset the iPod. Verify proper connection to the interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.
iPod does not display the DICE logo when connected.	Reset iPod and make sure most recent iPod firmware is installed. Make sure all cables are connected properly. Note that iTouch does not display the logo.

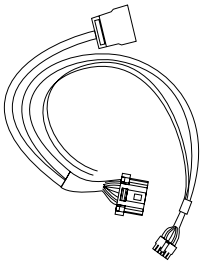
Content Identifier MEDIABRIDGE

for MB-1000-Nissan kit & MB-1500-Nissan kit:

user manual

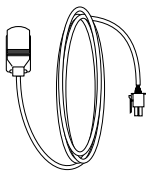


Media Bridge Module



Media Bridge Connector

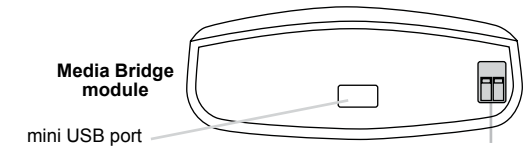
for MB-1500-Nissan kit ONLY:



Microphone
(MB-1500 series only)

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

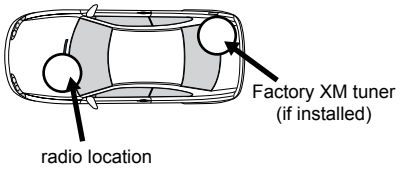


iPod configuration switches

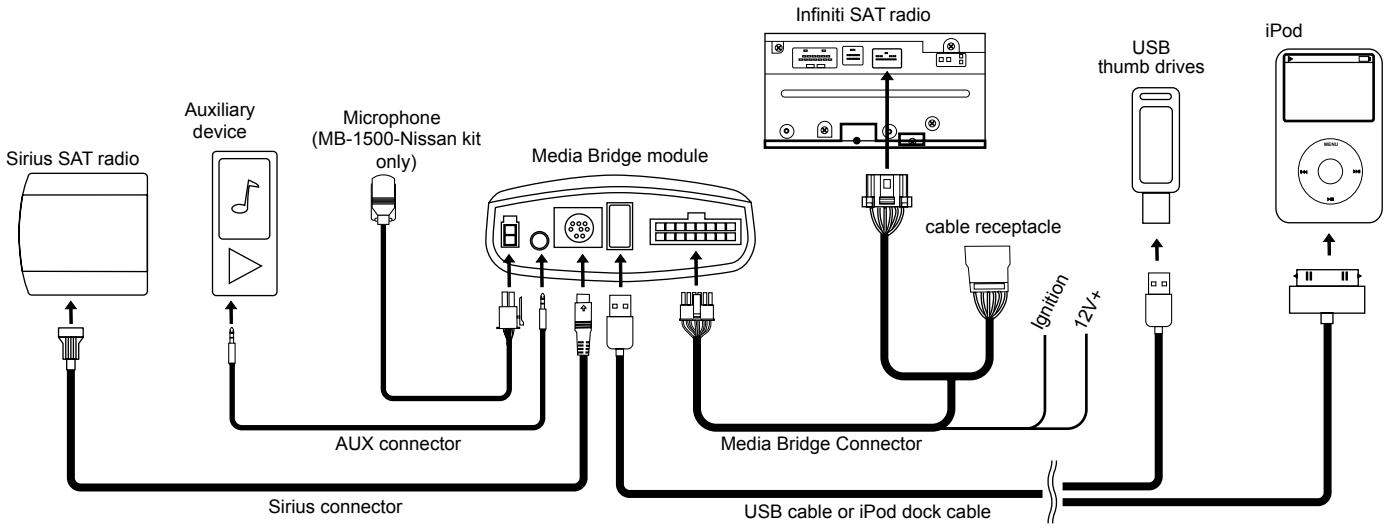
Car configuration switches

Features are not ready at the time of printing. Please check the user manual.

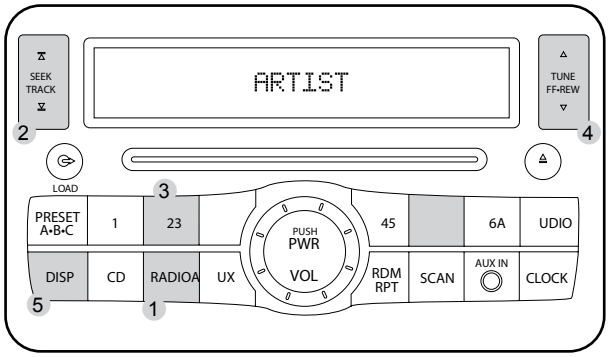
Connection Diagram MEDIABRIDGE



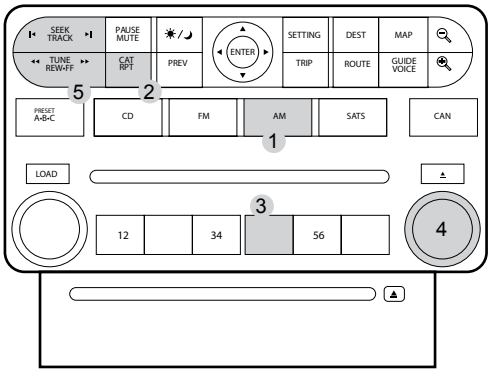
- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio



SAT radio



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for RW or FFW



1. Radio mode selection
2. Cycle through iPod interface mode
3. Direct iPod interface mode selection
4. Track change. Press for display mode
5. Track change. Press and hold for RW or FFW

iRONICS
Get your hands on the wheel with iPhone connectivity.

PORSCHE

DICE ELECTRONICS Integration solutions

PORSCHE

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration		
Porsche	Universal	Navi. radio	non-Navi. radio
911			
2007 - 2008	FMRDS	POR-40	POR-41
996/997			
2003 - 2008	FMRDS	POR-40	POR-41
Boxster			
2003 - 2008	FMRDS	POR-40	POR-41
Carrera			
2003 - 2008	FMRDS	POR-40	
Cayenne			
2003 - 2008	FMRDS	POR-40	POR-41
Cayman			
2004 - 2008	FMRDS	POR-40	POR-41

Abbreviation Note:

mo-Porsche-40 kit ↔ **POR-40**

mo-Porsche-41 kit ↔ **POR-41**

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod

Notes:

- For the most updated information on **POR-40/41**, please visit our website at www.diceelectronics.com
- 2004 models require an additional fiber-optic harness (#800007)
- External CD-changer must be disconnected.
- If CD-changer not present, radio must be programmed for CD-changer by dealer.

FAQs Before Purchasing the Kit

POR-40/41 Will my factory 6-CD changer be disabled with this unit installed?
Yes, the factory CD changer must be disabled to have the iPod kit integrated into the factory radio system.

POR-40/41 If I do not have a factory CD-changer installed can I still have this integration kit installed?
Yes, however your factory radio will have to be programmed for the radio to recognize our kit as an audio source. This can be done at your local Porsche dealership.

POR-40 What kind of information will I see on my PCM display?
You will see Playlists, Artists, Albums, Genre, and songs. These categories show up as lists on the factory navigation screen.

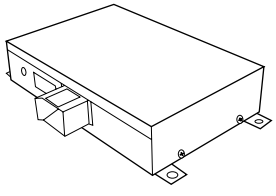
POR-40/41 Can I install this unit myself?
It is recommended that this integration kit be installed by a professional that has experience installing fiber-optic systems. It can be installed directly behind the navigation unit or at the CD-changer location.

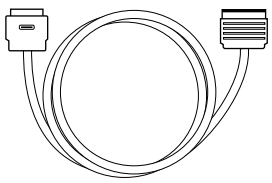
Installation Tips / Check List

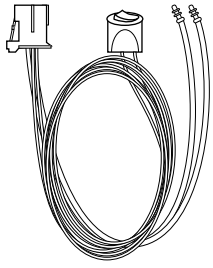
☐ **POR-40/41** Installation can sometimes easily be done at the CD-Changer location. Since the CD-Changer is disconnected anyway, the integration can take place there.

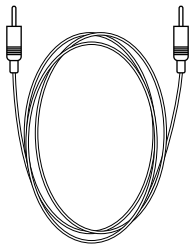
Content Identifier Integration for iPod

for mo-Porsche-40/41 kit


interface module

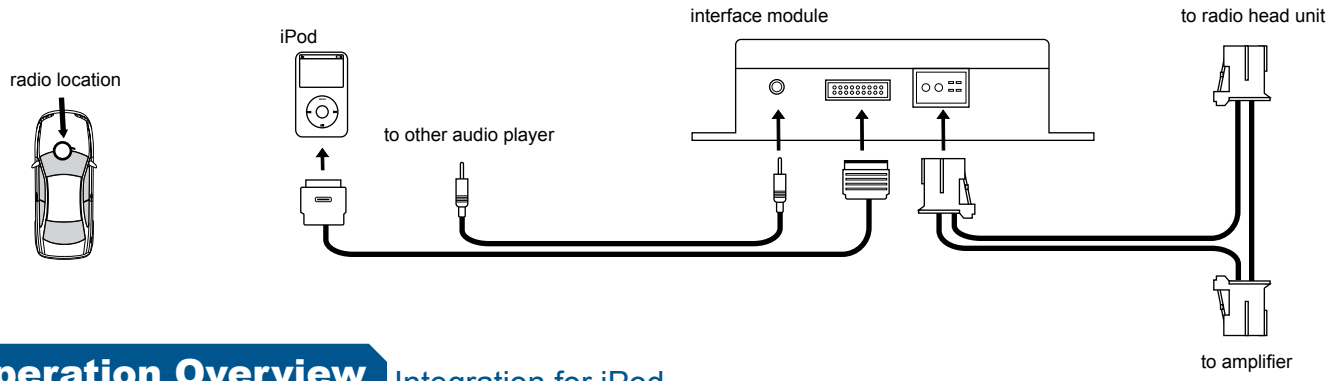

iPod docking cable


Power/fiber optic harness

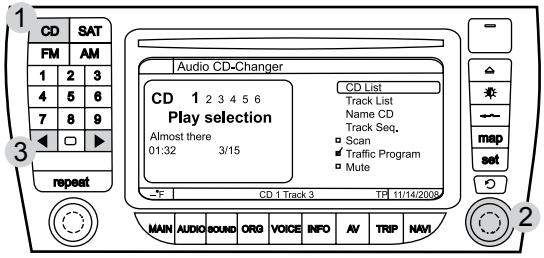

AUX audio cable

Connection Diagram Integration for iPod

for mo-Porsche-40/41 kit



Operation Overview Integration for iPod



1. Source selector
2. Use the jog dial to browse lists
3. Use the ◀▶ buttons to go to next/previous track. Press and hold the ◀▶ buttons to RW or FFW.

Note:
To change between various modes, you can either select from the CD list or just press and hold preset 1-6.

Porsche Specific Technical Notes Integration for iPod

Problem	Solution
The fiber-optic cables in my 2004 Porsche do not fit the fiber-optic set in the kit, what can I do?	For 2004 model Porsche vehicles, an additional fiber-optic cable set is required (#800007).
There are a few seconds of delay when selecting to browse playlists, artists, albums or genre.	This is normal. Loading content from the iPod to the radio takes some time.
The navigation screen does not come up with the regular menu, it just stays on the "Porsche" display and will not operate.	This may be because the fiber-optic in and out cables are put in backwards. Just swap the two fiber optic cables in the connector from the integration unit and the flow of light should be back to normal.
Where do the orange and brown wires need to be attached to?	The orange wire must be connected to Constant 12V power, and the brown wire needs to be attached to a ground source.
My navigation system comes on and the sources are operable, however I cannot consistently operate or access the CD-changer source.	Make sure the factory CD-changer is disconnected and the fiber-optic cables that were disconnected from it are connected to our unit properly.
My iPod does not charge or synchronize with the integration system.	Reset the iPod by holding down the Menu button and center button together until the Apple logo appears on screen. New models of iPod may not charge because of altered charging method (4th gen. Nano, 2nd gen. Touch, 3G iPhone).

SCION

DICE ELECTRONICS Integration solutions

SCION

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration	
Scion	Universal	CDC/MD/SAT/MP3 emulation
xA		
2004 - 2009	FMRDS	R [1, 2] MEDIABRIDGE [3]
xB		
2004 - 2009	FMRDS	R [1, 2] MEDIABRIDGE [3]
xD		
2007 - 2009	FMRDS	R [1, 2] MEDIABRIDGE [3]
tC		
2004 - 2009	FMRDS	R [1, 2] MEDIABRIDGE [3]

Abbreviation Note:

i-Toyota-R kit ↔ **R**

FMRDS & **FMRDS** USB-PRO ↔ **FMRDS**

Made for iPod

Works with iPhone

Bluetooth

USB ready

SILVERLINE PRO

Notes:

• For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Text display supported on 2003+ vehicles equipped with a CD-text, MP3-text, MD-text, or SAT capable factory radio.
2. External CD-changer must be disconnected. Factory SAT can be retained.
3. Radio must support CD-text, MP3-text, or SAT capability.

FAQs Before Purchasing the Kit

R MEDIABRIDGE Do I lose functionality of any factory-installed devices in my vehicle?
Only an external CD-changer needs to be disabled (mainly 2004 and earlier models), other factory options can be retained because of DICE's multi-source integration.

R What are the different emulation modes for?
The i-Toyota-R kit offers four different modes to be operated in for retaining factory options (the mode options are CD-changer, Mini-DISC, Satellite, and MP3). Depending on the radio in your vehicle, one mode or another will offer TEXT display support.

R MEDIABRIDGE If my vehicle's factory radio does not have a TEXT button present, does this mean my radio won't support text display?
No, it does not. Many late model touch-screen navigation systems in Toyota/Lexus (2005-2009) will have a TEXT button appear on screen to cycle between text fields.

R MEDIABRIDGE Will the i-Toyota-R support video playback on my navigation screen?
No, our iPod kit only transfers the audio and text information for the audio through your stereo system.

Installation Tips / Check List

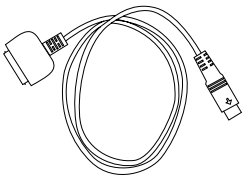
☐ FMRDS R MEDIABRIDGE Scion radios are generally secured in with 10mm bolts.

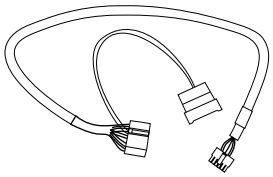
☐ R Setting up the i-Toyota-R in SAT mode can offer a more intuitive (user-friendly) interface.

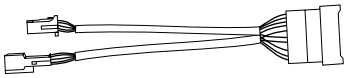
Content Identifier integration for iPod

user manual

vehicle specific interface module


iPod docking cable


Toyota01 BUS connector


Toyota03 BUS connector

About Dip Switch Settings integration for iPod

Identify your audio system

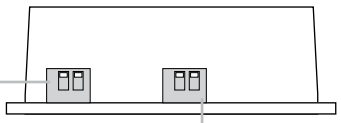
Select the emulation that best suits your vehicle. The following chart identifies the recommended emulation for the listed radios. Note that your vehicle may support more than one type of emulation.

Radios	External CDC	Factory SAT	CDC	MD*	SAT**	MP3
00-02 Tape/in-dash CD	not installed/disconnected	not available	✓	✓		
00-02 Tape/in-dash CD	present	not available		✓		
03-06 Tape/CD	not installed/disconnected	not installed	✓	✓	✓	
03-06 Tape/CD	not installed/disconnected	present	✓	✓		
03-06 Tape/CD	present	not installed		✓	✓	
03-06 Tape/CD	present	present		✓		
06-09 MP3 Navigation	not available	not present			✓	✓
06-09 MP3 Navigation	not available	present				✓

* Not all radios support MD mode. If an external MD changer is present, it must be disconnected.

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Toyota-R kit:


DICE module

Car configuration switches

Default

Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it. Selected vehicles from 2003 offer CD Text - these radios have a Text button.

Recommended for **early model year radios with external CD- changer.** MD Text is only available on very few radios, typically navigation ones.

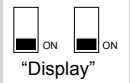
Recommended for radios if **SAT module is not present or disconnected and an external CD changer is used.** SAT mode is supported by high-end radios in selected models from 2003 in the US only.

Recommended for **late model Navigation radios only where factory SAT is installed** and user wishes to retain it. **Radios must support MP3 text.** New MP3 navigation cars support only MP3 text not CD Text.

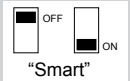
iPod configuration switches

Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.

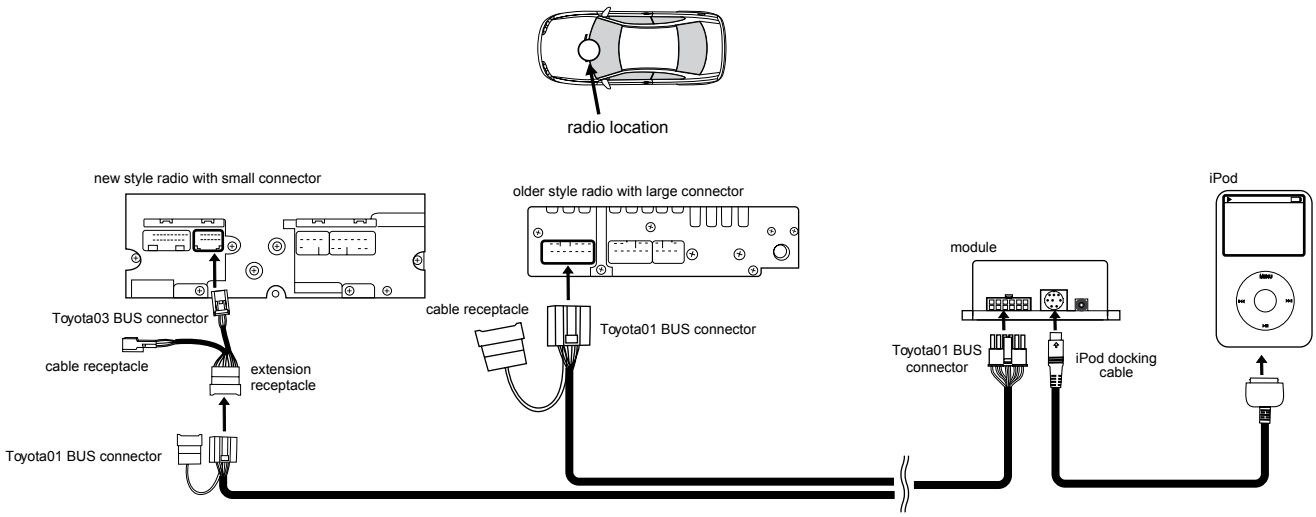


This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.



In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

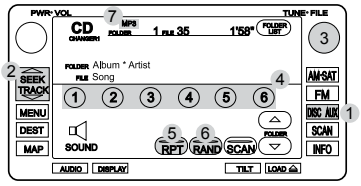
Connection Diagram integration for iPod



Note:
Plug the factory connection to the cable receptacle if it was removed from the radio.

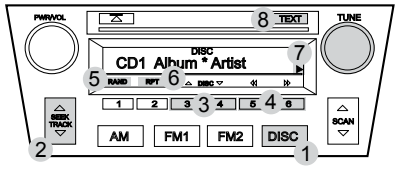
Operation Overview integration for iPod

MP3 emulation



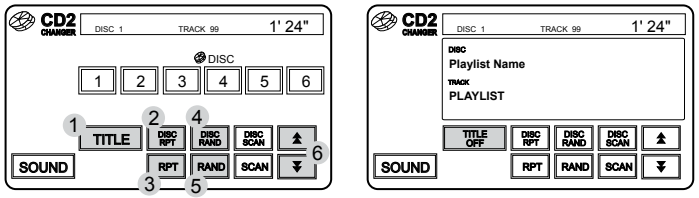
1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Press to select PRESET numbers 1 - 6.
5. Press RPT short to repeat one, long to repeat all.
6. Press RAND short to Shuffle Songs, long to Shuffle Albums.
7. Source indicator

CDC/MD emulation (without Navigation)



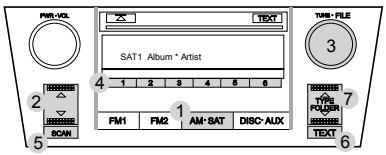
1. Source selector
2. Press to change Track.
3. Press to change modes.
4. Press to RW or FFW.
5. Press RAND short to Shuffle Songs, long to Shuffle Albums.
6. Press RPT short to repeat one, long to repeat all.
7. Arrow shows if additional information is available. Hold TEXT button for more information.
8. Press the TEXT button to cycle between display fields.

CDC/MD emulation (with Navigation)



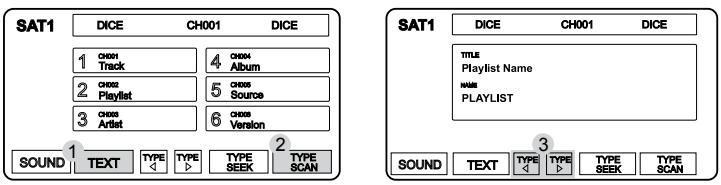
1. Press TITLE to toggle between screens.
2. Press DISC RPT to Repeat All.
3. Press RPT to Repeat One.
4. Press DISC RAND to shuffle Albums.
5. Press RAND to Shuffle Songs.
6. Press to change Track.

SAT emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Use Presets to change modes.
5. Use Scan to enable Shuffle Songs.
6. Press the TEXT button to toggle between available TEXT fields.
7. Use the TYPE button to engage/disengage RW or FFW

SAT emulation (with Navigation)



1. Press TEXT button to toggle between mode screen and title screen
2. Use TYPE SCAN to enable Shuffle Songs
3. Use the TYPE button to engage/disengage RW or FFW

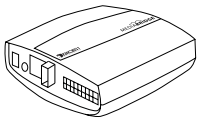
Toyota Specific Technical Notes integration for iPod

Problem	Solution
Text is not displaying in selected emulation.	Identify your audio system (refer to Installation tip section) first and set switches accordingly. Note that your vehicle may support more than one mode.
Radio/Nav display only shows DISC/Preset and Track/Channel numbers, but there is no iPod control	Select DISC/Preset 5 and make sure it is set to Track/Channel1.
Cannot select the interface.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure the most recent iPod firmware is installed. Check vehicle user manual on how steering wheel controls work.
The interface operates very intermittently and erratically in SAT mode.	Make sure that if the unit is being operated in SAT mode, the factory satellite tuner is disconnected in the vehicle. Otherwise, the unit will have to be set up in a different emulation mode (CD, MP3, MD).
No audio from iPod source.	Reset the iPod. Verify proper connection to iPod/interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Make sure all EQ and BASS boost options are turned off on your iPod.

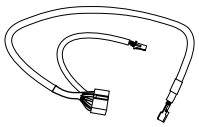
Content Identifier MEDIABRIDGE

for MB-1000-Toyota kit & MB-1500-Toyota kit:

user manual

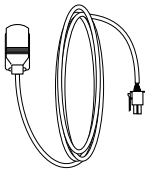


Media Bridge Module



Media Bridge Connector

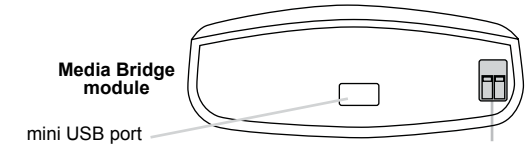
for MB-1500-Toyota kit ONLY:



Microphone
(MB-1500 series only)

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**



iPod configuration switches

Car configuration switches

Default

Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it. Selected vehicles from 2003 offer CD Text - these radios have a Text button.

Recommended for **early model year radios with external CD- changer.** MD Text is only available on very few radios, typically navigation ones.

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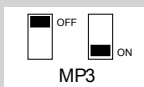
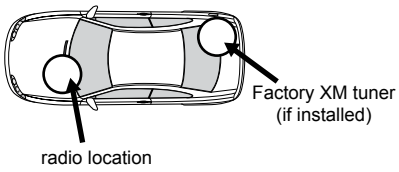
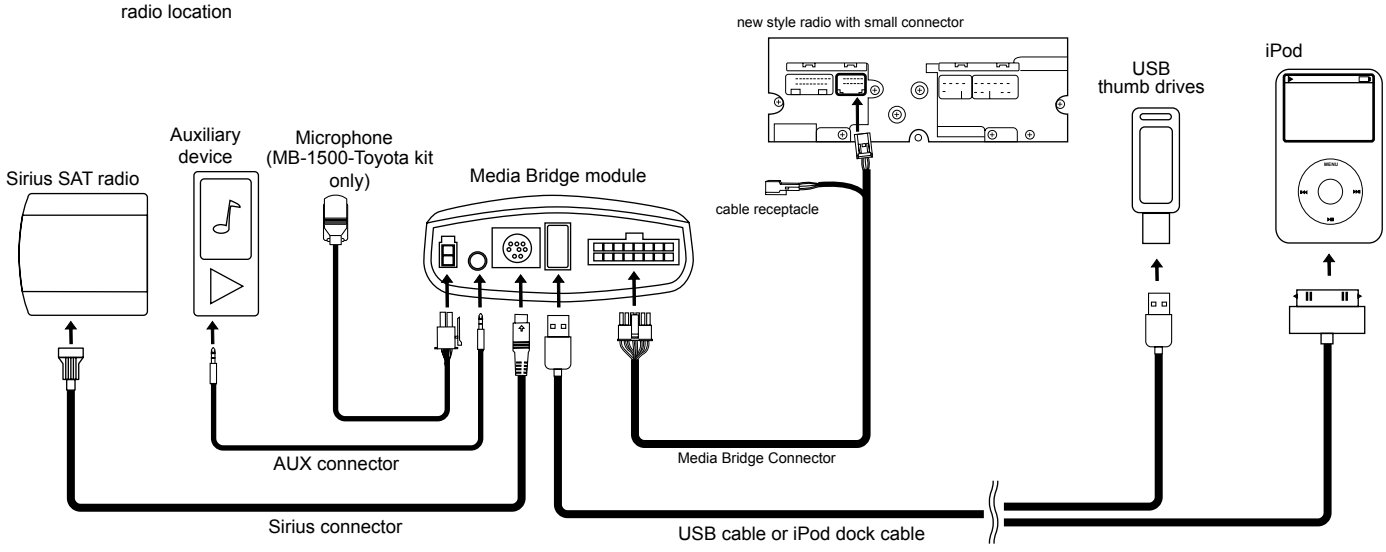


Recommended for **late model Navigation radios only where factory SAT is installed** and user wishes to retain it. **Radios must support MP3 text.** New MP3 navigation cars support only MP3 text not CD Text.

Connection Diagram MEDIABRIDGE

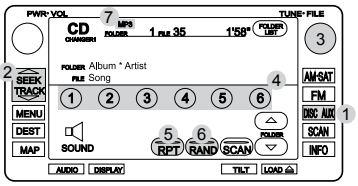


- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio



Operation Overview MEDIABRIDGE

MP3 emulation



1. Source selector
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4. Press to select PRESET numbers 1 - 6.
5. Press RPT short to repeat one, long to repeat all.
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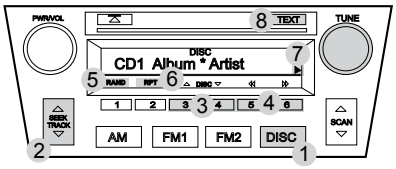
CDC/MD emulation (without Navigation)



1. Source selector
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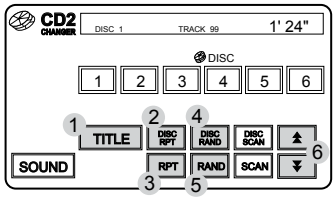
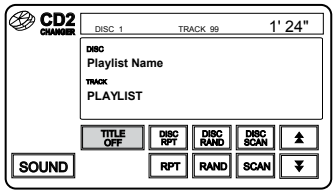
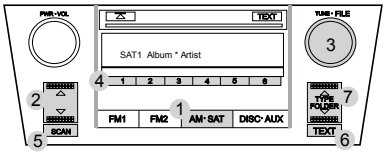
CDC/MD emulation (with Navigation)





1. Press TITLE to toggle between screens.
2. Press DISC RPT to Repeat All.
3. Press RPT to Repeat One.
4. Press DISC RAND to shuffle Albums.
5. Press RAND to Shuffle Songs.
6. Press to change Track.

SAT emulation (without Navigation)



1. Source selector
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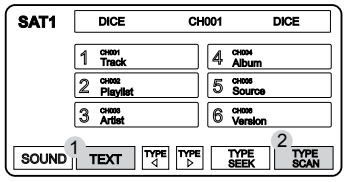
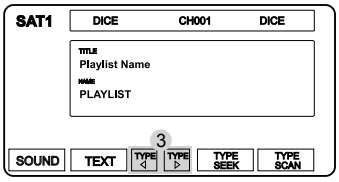
SAT emulation (with Navigation)





1. Press TEXT button to toggle between mode screen and title screen
2. Use TYPE SCAN to enable Shuffle Songs
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TOYOTA

DICE ELECTRONICS Integration solutions

TOYOTA

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration	
Toyota	Universal	CDC/MD/SAT/MP3 emulation
4-Runner		
2002 - 2009	FMRDS	R [1,2,3] / MEDIABRIDGE [4]
Camry		
2003 - 2010	FMRDS	R [1,3] / MEDIABRIDGE [4]
Celica		
2003 - 2005	FMRDS	R [1,3] / MEDIABRIDGE [4]
Corolla		
2003 - 2010	FMRDS	R [1,3] / MEDIABRIDGE [4]
Echo		
2000 - 2005	FMRDS	R [1,3] / MEDIABRIDGE [4]
FJ Cruiser		
2006 - 2010	FMRDS	R [1,3] / MEDIABRIDGE [4]
Highlander		
2002 - 2009	FMRDS	R [1,3] / MEDIABRIDGE [4]
Landcruiser		
2002 - 2009	FMRDS	R [1,3] / MEDIABRIDGE [4]
MR2		
2000 - 2005	FMRDS	R [1,3] / MEDIABRIDGE [4]

Abbreviation Note:
i-Toyota-R kit ↔ R
FMRDS & FMRDS USB-PRO ↔ FMRDS

Vehicle	Compatible Integration	
Toyota	Universal	CDC/MD/SAT/MP3 emulation
Prius		
2004 - 2010	FMRDS	R [1,3] / MEDIABRIDGE [4]
Rav4		
2003 - 2010	FMRDS	R [1,3] / MEDIABRIDGE [4]
Sequoia		
2001 - 2008	FMRDS	R [1,3] / MEDIABRIDGE [4]
Sienna		
2003 - 2009	FMRDS	R [1,3] / MEDIABRIDGE [4]
Solara		
2003 - 2009	FMRDS	R [1,3] / MEDIABRIDGE [4]
Tacoma		
2002 - 2009	FMRDS	R [1,3] / MEDIABRIDGE [4]
Yaris		
2007 - 2010	FMRDS	R [1,3] / MEDIABRIDGE [4]
Tundra		
2002 - 2008	FMRDS	R [1,3] / MEDIABRIDGE [4]

Notes:
- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com
- For model year between 1998 - 2001 please call for legacy support.
- If Toyota radio faceplate has "XM" logo printed, the radio is equipped with built-in XM tuner module, and will only support the kit in CDC emulation mode.

1. Text display supported on 2003+ vehicles equipped with a CD-text, MP3-text, MD-text, or SAT capable factory radio.
2. Not compatible with Navigation on 2004 model OR 2009 Portable Nav option.
3. External CD-changer must be disconnected. Factory SAT can be retained.
4. Radio must support CD-text, MP3-text, or SAT capability.

Made for iPod · Works with iPhone · Bluetooth · USB ready · SILVERLINE PRO

FAQs Before Purchasing the Kit

R MEDIABRIDGE Do I lose functionality of any factory-installed devices in my vehicle?
Only an external CD-changer needs to be disabled (mainly 2004 and earlier models), other factory options can be retained because of DICE's multi-source integration.

R What are the different emulation modes for?
The i-Toyota-R kit offers four different modes to be operated in for retaining factory options (the mode options are CD-changer, Mini-DISC, Satellite, and MP3). Depending on the radio in your vehicle, one mode or another will offer TEXT display support.

R MEDIABRIDGE If my vehicle's factory radio does not have a TEXT button present, does this mean my radio won't support text display?
No, it does not. Many late model touch-screen navigation systems in Toyota/Lexus (2005-2009) will have a TEXT button appear on screen to cycle between text fields.

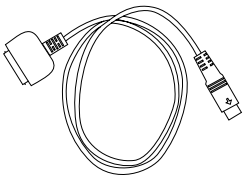
Installation Tips / Check List

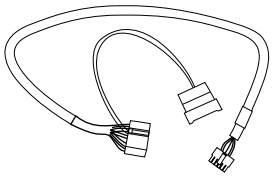
- ☐ FMRDS R MEDIABRIDGE Toyota radios are generally secured in with 10mm bolts.
- ☐ R Setting up the i-Toyota-R in SAT mode can offer a more intuitive (user-friendly) interface.

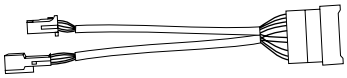
Content Identifier integration for iPod

user manual

vehicle specific interface module


iPod docking cable


Toyota01 BUS connector


Toyota03 BUS connector

About Dip Switch Settings integration for iPod

Identify your audio system

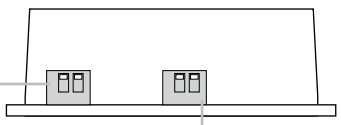
Select the emulation that best suits your vehicle. The following chart identifies the recommended emulation for the listed radios. Note that your vehicle may support more than one type of emulation.

Radios	External CDC	Factory SAT	CDC	MD*	SAT**	MP3
00-02 Tape/in-dash CD	not installed/disconnected	not available	✓	✓		
00-02 Tape/in-dash CD	present	not available		✓		
03-06 Tape/CD	not installed/disconnected	not installed	✓	✓	✓	
03-06 Tape/CD	not installed/disconnected	present	✓	✓		
03-06 Tape/CD	present	not installed		✓	✓	
03-06 Tape/CD	present	present		✓		
06-09 MP3 Navigation	not available	not present			✓	✓
06-09 MP3 Navigation	not available	present				✓

* Not all radios support MD mode. If an external MD changer is present, it must be disconnected.

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-Toyota-R kit:


DICE module

Car configuration switches

Default

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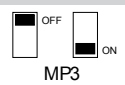

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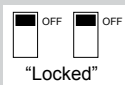
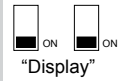
iPod configuration switches



Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.



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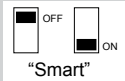
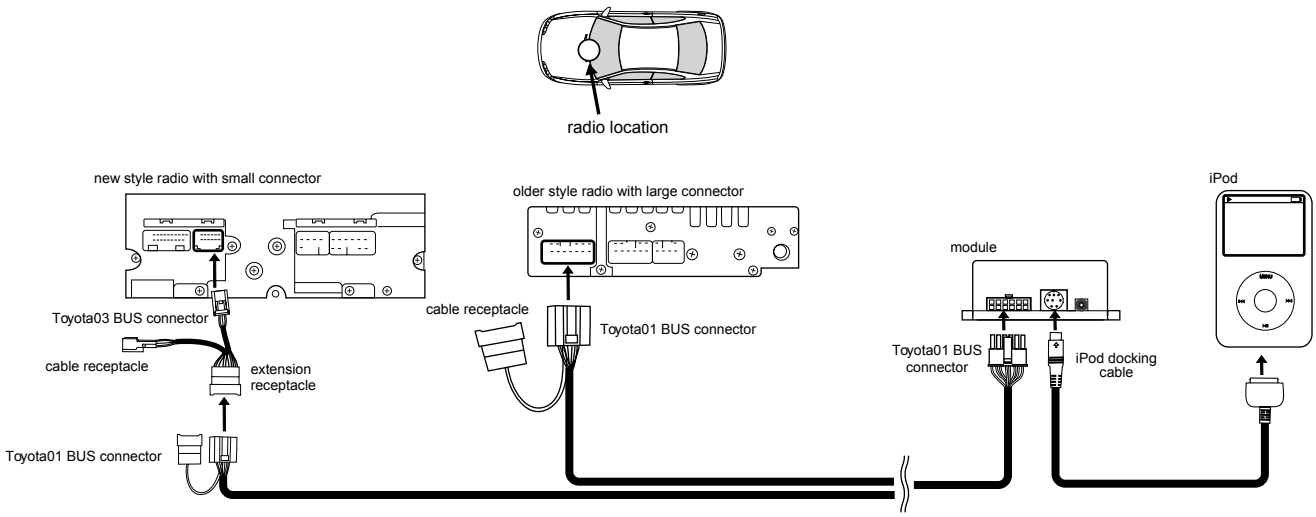
This mode is ideal on radio with single line display.



In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

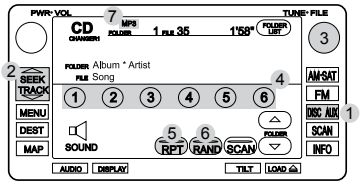
Connection Diagram integration for iPod



Note:
Plug the factory connection to the cable receptacle if it was removed from the radio.

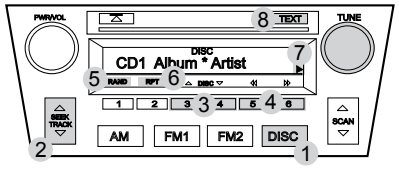
Operation Overview integration for iPod

MP3 emulation



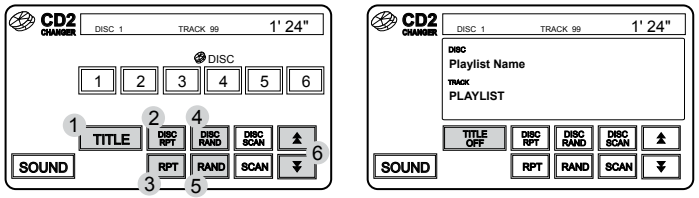
1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Press to select PRESET numbers 1 - 6.
5. Press RPT short to repeat one, long to repeat all.
6. Press RAND short to Shuffle Songs, long to Shuffle Albums.
7. Source indicator

CDC/MD emulation (without Navigation)



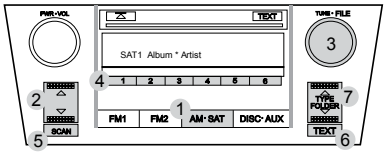
1. Source selector
2. Press to change Track.
3. Press to change modes.
4. Press to RW or FFW.
5. Press RAND short to Shuffle Songs, long to Shuffle Albums.
6. Press RPT short to repeat one, long to repeat all.
7. Arrow shows if additional information is available. Hold TEXT button for more information.
8. Press the TEXT button to cycle between display fields.

CDC/MD emulation (with Navigation)



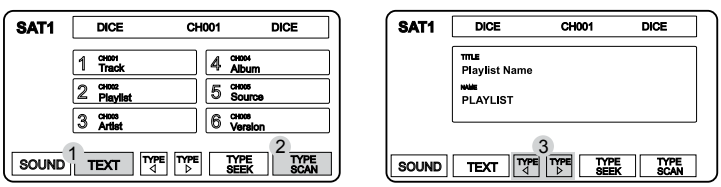
1. Press TITLE to toggle between screens.
2. Press DISC RPT to Repeat All.
3. Press RPT to Repeat One.
4. Press DISC RAND to shuffle Albums.
5. Press RAND to Shuffle Songs.
6. Press to change Track.

SAT emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Use Presets to change modes.
5. Use Scan to enable Shuffle Songs.
6. Press the TEXT button to toggle between available TEXT fields.
7. Use the TYPE button to engage/disengage RW or FFW

SAT emulation (with Navigation)



1. Press TEXT button to toggle between mode screen and title screen
2. Use TYPE SCAN to enable Shuffle Songs
3. Use the TYPE button to engage/disengage RW or FFW

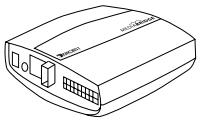
Toyota Specific Technical Notes integration for iPod

Problem	Solution
Text is not displaying in selected emulation.	Identify your audio system (refer to Installation tip section) first and set switches accordingly. Note that your vehicle may support more than one mode.
Radio/Nav display only shows DISC/Preset and Track/Channel numbers, but there is no iPod control	Select DISC/Preset 5 and make sure it is set to Track/Channel1.
Cannot select the interface.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure the most recent iPod firmware is installed. Check vehicle user manual on how steering wheel controls work.
The interface operates very intermittently and erratically in SAT mode.	Make sure that if the unit is being operated in SAT mode, the factory satellite tuner is disconnected in the vehicle. Otherwise, the unit will have to be set up in a different emulation mode (CD, MP3, MD).
No audio from iPod source.	Reset the iPod. Verify proper connection to iPod/interface.
iPod does not charge.	Check all connections. See if iPod charges while connected to computer or wall charger. You may need to reset the iPod.
Music is distorted or sound level is too low.	Make sure all EQ and BASS boost options are turned off on your iPod.

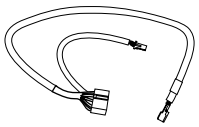
Content Identifier MEDIABRIDGE

for MB-1000-Toyota kit & MB-1500-Toyota kit:

user manual

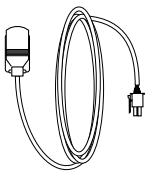


Media Bridge Module



Media Bridge Connector

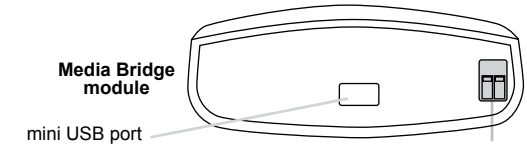
for MB-1500-Toyota kit ONLY:



Microphone
(MB-1500 series only)

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**



iPod configuration switches

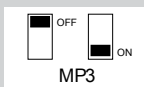
Car configuration switches

Default

Recommended for radios **NOT supporting Satellite (XM) or** if factory SAT is installed and user wishes to retain it. Selected vehicles from 2003 offer CD Text - these radios have a Text button.

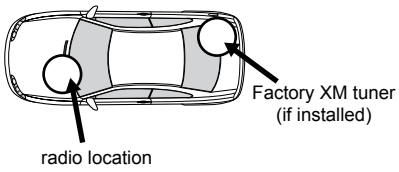
Recommended for **early model year radios with external CD- changer.** MD Text is only available on very few radios, typically navigation ones.

Recommended for radios if **SAT module is not present or disconnected and an external CD changer is used.** SAT mode is supported by high-end radios in selected models from 2003 in the US only.

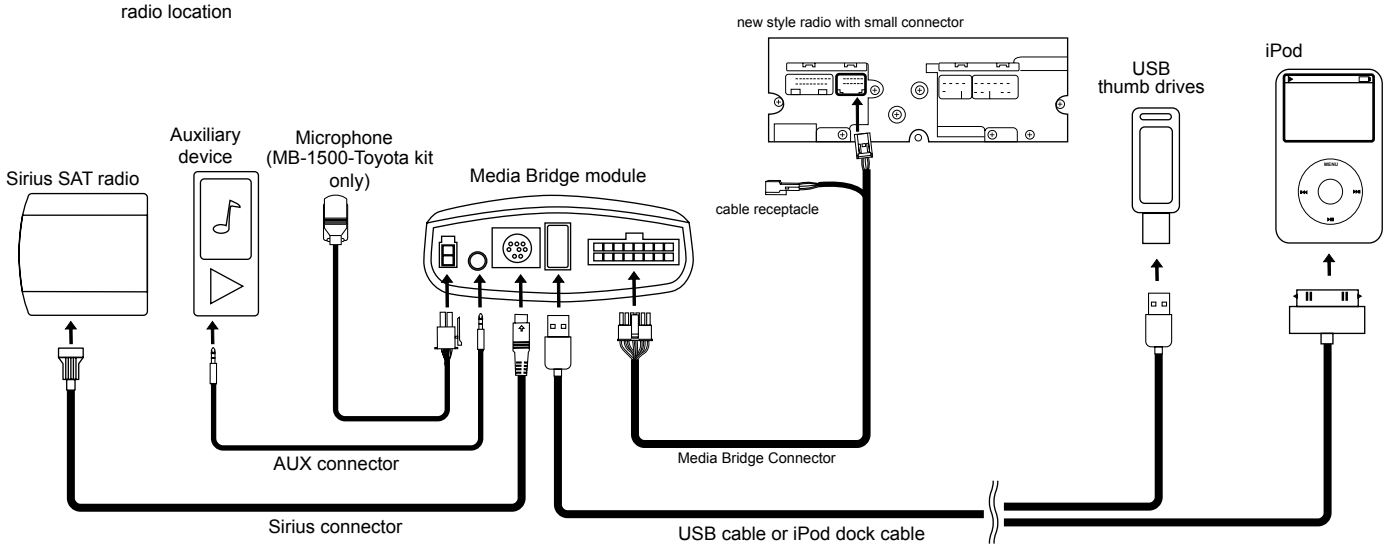


Recommended for **late model Navigation radios only where factory SAT is installed** and user wishes to retain it. **Radios must support MP3 text.** New MP3 navigation cars support only MP3 text not CD Text.

Connection Diagram MEDIABRIDGE

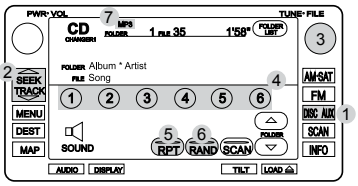


- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio



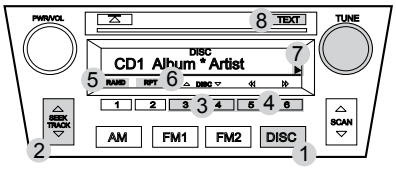
Operation Overview MEDIABRIDGE

MP3 emulation



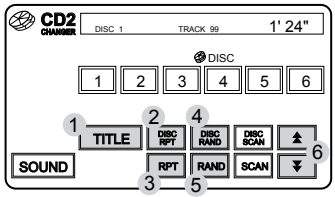
1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Press to select PRESET numbers 1 - 6.
5. Press RPT short to repeat one, long to repeat all.
6. Press RAND short to Shuffle Songs, long to Shuffle Albums.
7. Source indicator

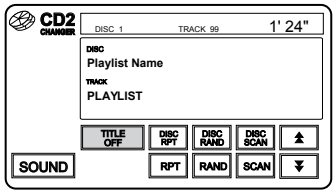
CDC/MD emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Press to change modes.
4. Press to RW or FFW.
5. Press RAND short to Shuffle Songs, long to Shuffle Albums.
6. Press RPT short to repeat one, long to repeat all.
7. Arrow shows if additional information is available. Hold TEXT button for more information.
8. Press the TEXT button to cycle between display fields.

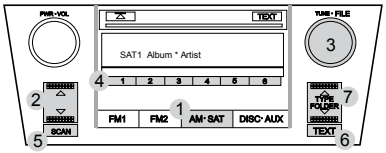
CDC/MD emulation (with Navigation)





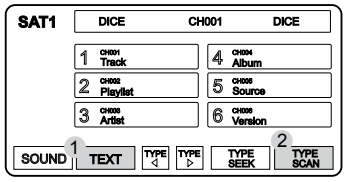
1. Press TITLE to toggle between screens.
2. Press DISC RPT to Repeat All.
3. Press RPT to Repeat One.
4. Press DISC RAND to shuffle Albums.
5. Press RAND to Shuffle Songs.
6. Press to change Track.

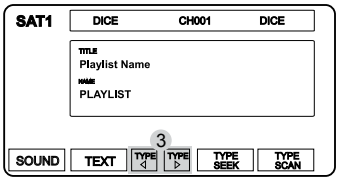
SAT emulation (without Navigation)



1. Source selector
2. Press to change Track.
3. Turn to change Track.
4. Use Presets to change modes.
5. Use Scan to enable Shuffle Songs.
6. Press the TEXT button to toggle between available TEXT fields.
7. Use the TYPE button to engage/disengage RW or FFW

SAT emulation (with Navigation)





1. Press TEXT button to toggle between mode screen and title screen
2. Use TYPE SCAN to enable Shuffle Songs
3. Use the TYPE button to engage/disengage RW or FFW

VOLKSWAGEN

DICE ELECTRONICS Integration solutions

VOLKSWAGEN

vehicle specific integration solutions

COMPATIBILITY chart

Vehicle	Compatible Integration			
Volkswagen	Universal	CD-Changer emulation	Satellite emulation	
Beetle				
2004 - 2008	FMRDS	VW-R [1, 2, 5]	SAT [3, 4]	MEDIABRIDGE [3, 4]
EOS				
2006 - 2008	FMRDS	VW-R [1, 2, 5]	SAT [3, 4]	MEDIABRIDGE [3, 4]
Golf/GTI/R32				
2003 - 2010	FMRDS	VW-R [1, 2, 5]	SAT [3, 4]	MEDIABRIDGE [3, 4]
2002 - 2004	FMRDS	VW-R [1, 2, 5]		
Jetta				
2005 - 2010	FMRDS	VW-R [1, 2, 5]	SAT [3, 4]	MEDIABRIDGE [3, 4]
2002 - 2004	FMRDS	VW-R [1, 2, 5]		
Passat				
2005 - 2010	FMRDS	VW-R [1, 2, 5]	SAT [3, 4]	MEDIABRIDGE [3, 4]
2002 - 2004	FMRDS	VW-R [1, 2, 5]		
Rabbit				
2006 - 2009	FMRDS	VW-R [1, 2, 5]	SAT [3, 4]	MEDIABRIDGE [3, 4]
Touareg				
2004 - 2010	FMRDS	VW-R [2, 5, 6]	SAT [3, 4]	MEDIABRIDGE [3, 4]

Abbreviation Note:

i-VW-R kit ↔ VW-R

i-Audi/VW-SAT kit ↔ SAT

FMRDS & FMRDS USB-PRO ↔ FMRDS

Made for iPod · Works with iPhone · Bluetooth · USB ready · SILVERLINE PRO

Note:

- For the most updated information on MEDIABRIDGE, please visit our website at www.diceelectronics.com

1. Standard kit requires that factory satellite be disconnected. Wiring harness must be modified to retain satellite radio. See diagram on “Installation Tips/Check List” on the following pages.
2. No Text display.
3. The radio must have a SAT button.
4. Text display supported. Navigation system is not supported at the time of printing. Please visit our website for updated information.
5. External CD-changer is disabled.
   2008 Touareg does not accept the harness modification, satellite radio must be disabled.

FAQs Before Purchasing the Kit

VW-R SAT MEDIABRIDGE Is factory satellite radio retainable in my Volkswagen?

Yes, with the i-VW-R the satellite radio can be retained by removing three wires from the factory connector and plugging them into our connector. Please check Installation Tips/Check List. The other kits retain satellite radio.

SAT MEDIABRIDGE Where is the Satellite tuner located in my vehicle?

On VW vehicles, the SAT tuner is normally located either under the front passenger seat or in the trunk behind the trunk lining.

SAT MEDIABRIDGE How can I tell if my VW radio will support the text-capable i-Audi/VW-SAT kit or Media Bridge?

If your factory VW radio has a SAT button present, it is compatible with our SAT/Media Bridge kits and will support text display.

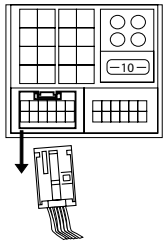
Installation Tips / Check List

- ☐ **FMRDS VW-R** For the wiring harness(es) that plug into the back of the radio, the ground wire can be attached to the extended screw on the back of the radio for a sufficient ground point.
- ☐ **FMRDS VW-R** Earlier model VW’s (2001-2005) can be easily removed with proper radio removal keys.
- ☐ **VW-R** With the non-text i-VW-R, the kit will be more user-friendly when installed in iPod mode because it will keep the direct iPod controls unlocked.
- ☐ **FMRDS VW-R** 2006-2008 Jetta and Golf have the same dash setup which makes the installation process similar. The trim around the radio needs to be popped off first, then the top vent. The screws needed to be removed are Torx size T15.

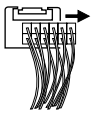
Cable modification (only for i-VW-R):

- If vehicle is equipped with factory Satellite radio and desired to be retained, a harness modification is required
- 2008 Touareg does not accept this modification, satellite radio must be disabled.

1. Disconnect main radio harness and locate SAT connector. Remove it from main harness by pressing on the release tab of the SAT connector.

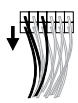


2. Slide out the inner part of the SAT connector from plastic housing.



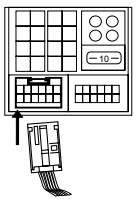
3. Disassemble the VW-R2 connector the same way as the factory SAT connector.

4. Remove the SAT wires from the factory connector by releasing the pins with a small screw driver or ball-point pen.



5. Relocate wires to VW-R2 connector keeping the same order and location.

6. Put plastic connector covers back on. Insert VW-R2 connector to factory VW main harness.

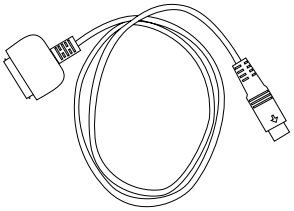


7. Connect ground wire to chassis of radio.

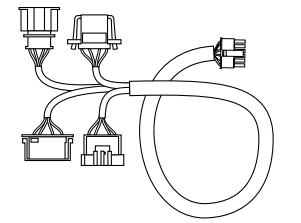
Content Identifier Integration for iPod

user manual

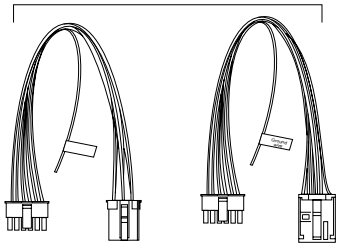
vehicle specific interface module


docking cable

for i-Audi/VW-**SAT** kit:


i-Audi/VW-SAT harness

for i-**VW-R** kit:

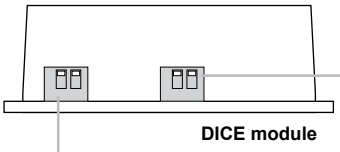

VW-R1 harness (blue)

VW-R2 harness (white)

About Dip Switch Settings Integration for iPod

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

for i-VW-R kit:

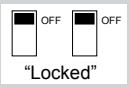

DICE module

Car configuration switches

CDC
Default

Switches should remain in the default OFF position.

iPod configuration switches



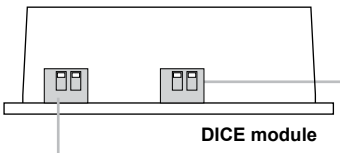
"Locked"
Default

It is best selected when **advanced controls on the radio are used.** After the initialization the iPod will be locked for increased interface functionality.

"iPod"

It is best selected when **text display is not supported** by the radio and **user wishes to retain iPod control**. Track numbers and times are not synchronized between the iPod and radio. Because there is less data transfer between the iPod and radio, this mode has the fastest response time. **Content is selected on the iPod only**.

for i-Audi/VW-SAT kit:


DICE module

Car configuration switches

Multi-line display
Default

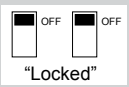
This is the recommended setting for **radios that have multiple text fields displayed in Satellite emulation mode.**

Single-line display

Recommended for Satellite (XM) capable radios. This type of emulation provides **full text display** on the radio. If Satellite (XM) is equipped it must be disconnected to operate flawlessly in this mode.

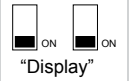
Both type of emulation above provides **full text display** on the radio. If Satellite (XM/Sirius) is equipped it must be disconnected to operate integration in this emulation mode. **XM/Sirius receiver is usually located in the trunk or under the passenger seat.**
Note: Please call to confirm vehicle support prior to installation.

iPod configuration switches



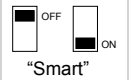
"Locked"
Default

This mode should be selected when **browsing is preferred from the radio**. After connecting the iPod you will see the DICE logo on the screen. After the initialization the iPod will be locked for an increased interface functionality.



"Display"

This mode should be selected when **controls on the iPod are preferred**. The radio can display the track name but has limited browsing capabilities.
This mode is ideal on radio with single line display.

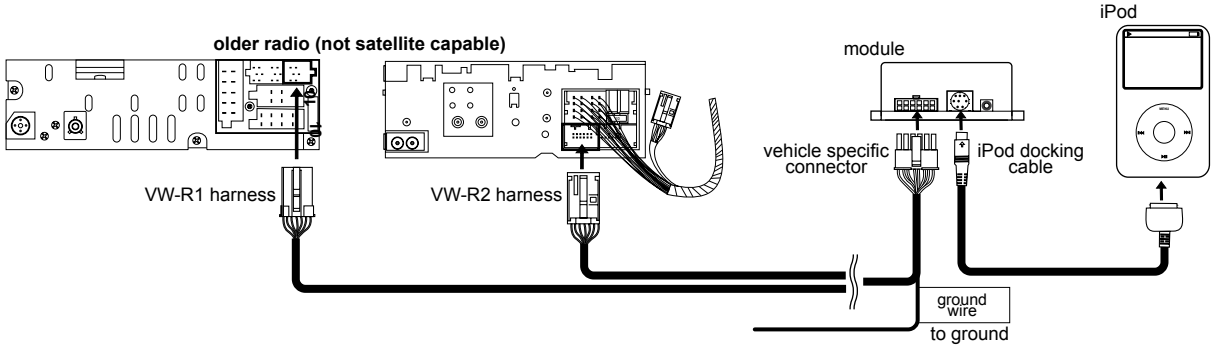


"Smart"

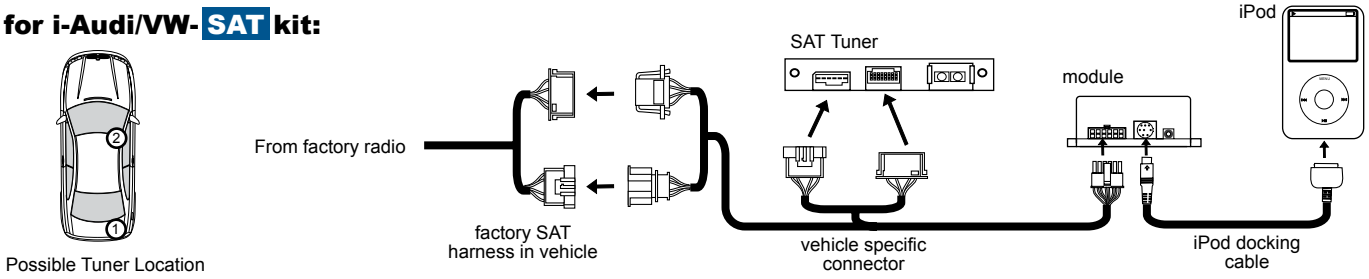
In "Smart" mode, both "Locked" mode or "Display" **mode can be selected by the user** from the iPod when connected.

Connection Diagram Integration for iPod

for i-VW-R kit:

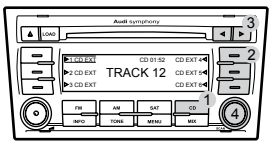


for i-Audi/VW-SAT kit:



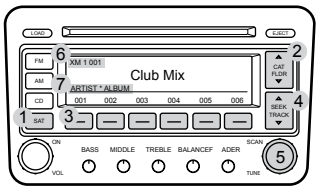
Operation Overview Integration for iPod

CDC emulation



1. Source selector
2. Press to change mode.
3. Press to change Track, hold to Rewind or Forward
4. Turn to change track.

SAT emulation



1. Source selector
2. Press to cycle through Modes 1-6.
3. On selected radios you may use these buttons to select Modes 1-6
4. Press to change track.
5. Turn to change track.
6. Source indicator
7. This text field may not be shown on all radios.

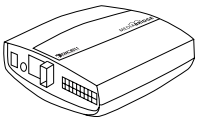
Audi Specific Technical Notes Integration for iPod

Problem	Solution
Cannot select the interface.	Check DIP switch settings. With the ignition OFF disconnect vehicle harness from module for a few seconds and reconnect. Verify that the correct button is used to access the interface (CDC or SAT).
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed. Check vehicle's user manual on how steering wheel controls work.
Radio/ steering wheel controls do not operate iPod, but audio is still present.	Select DISC/Mode 5 and Track/Channel 1. Switch back to DISC/Mode 1 and try changing Tracks. DISC 5 (Mode 5) Track 02 (Channel 02) is AUX mode and not correct for the iPod.
Interface has erratic recognition or none at all.	Make sure that the ground wire harness is attached to the back of the radio.
No text display.	Set iPod switches to OFF for "Locked" mode. Text display is only supported on SAT-capable radios with the i-Audi-SAT kit.
No audio from iPod source.	Reset the iPod. Verify proper connection to interface.
iPod does not charge.	Check all connections. Reset iPod and make sure iPod charges while connected to computer or wall charger.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod.

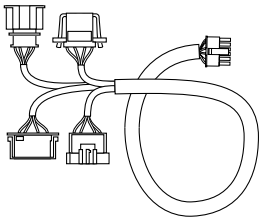
Content Identifier MEDIABRIDGE

for MB-1000-VW kit & MB-1500-VW kit:

user manual

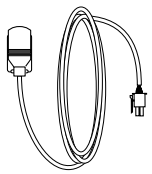


Media Bridge Module



Media Bridge Connector

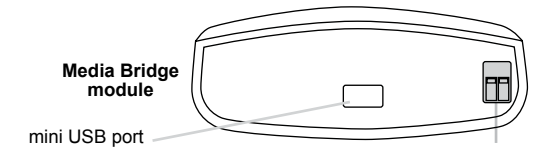
for MB-1500-VW kit ONLY:



Microphone
(MB-1500 series only)

About Dip Switch Settings MEDIABRIDGE

The configuration switches located on the DICE module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the DICE interface not to work properly or not to operate at all. **Disconnect the vehicle harness from module and cycle ignition off for 50 seconds after changing the switches!**

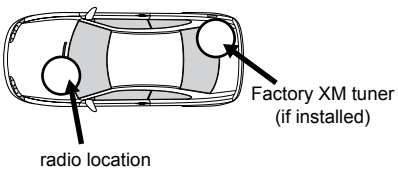


iPod configuration switches

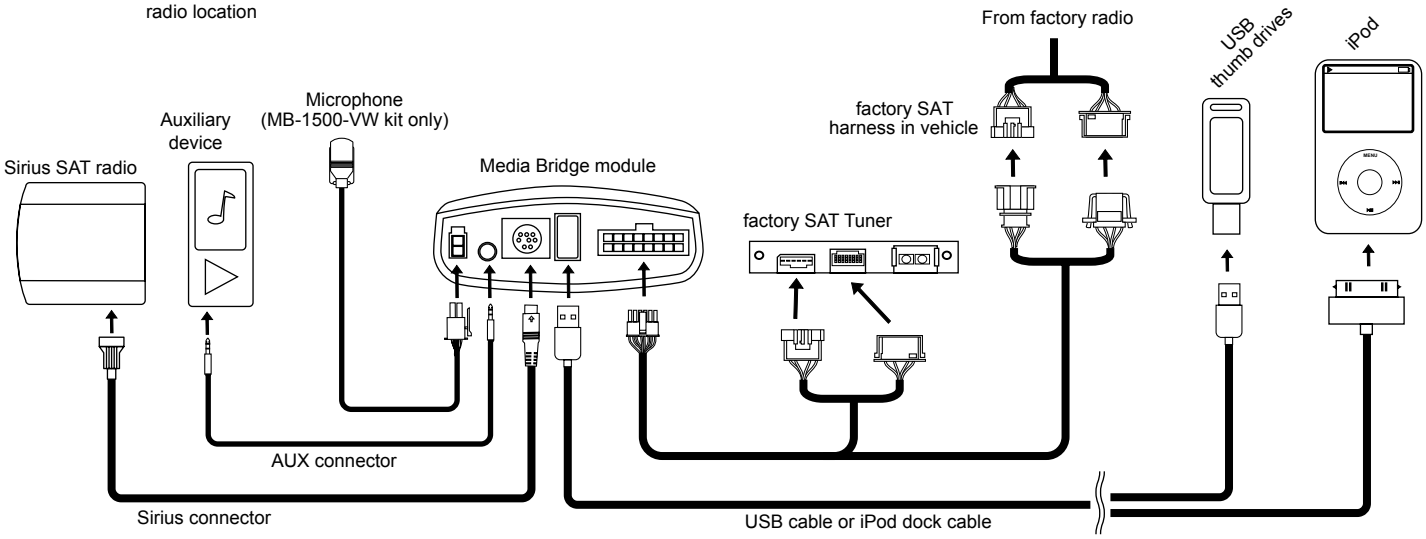
Car configuration switches

Features are not ready at the time of printing. Please check the user manual.

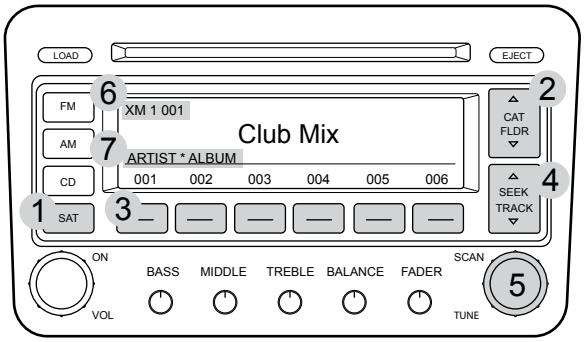
Connection Diagram MEDIABRIDGE



- Note that in some vehicles the physical location of the CD changer / SAT connector is on the bottom of the radio

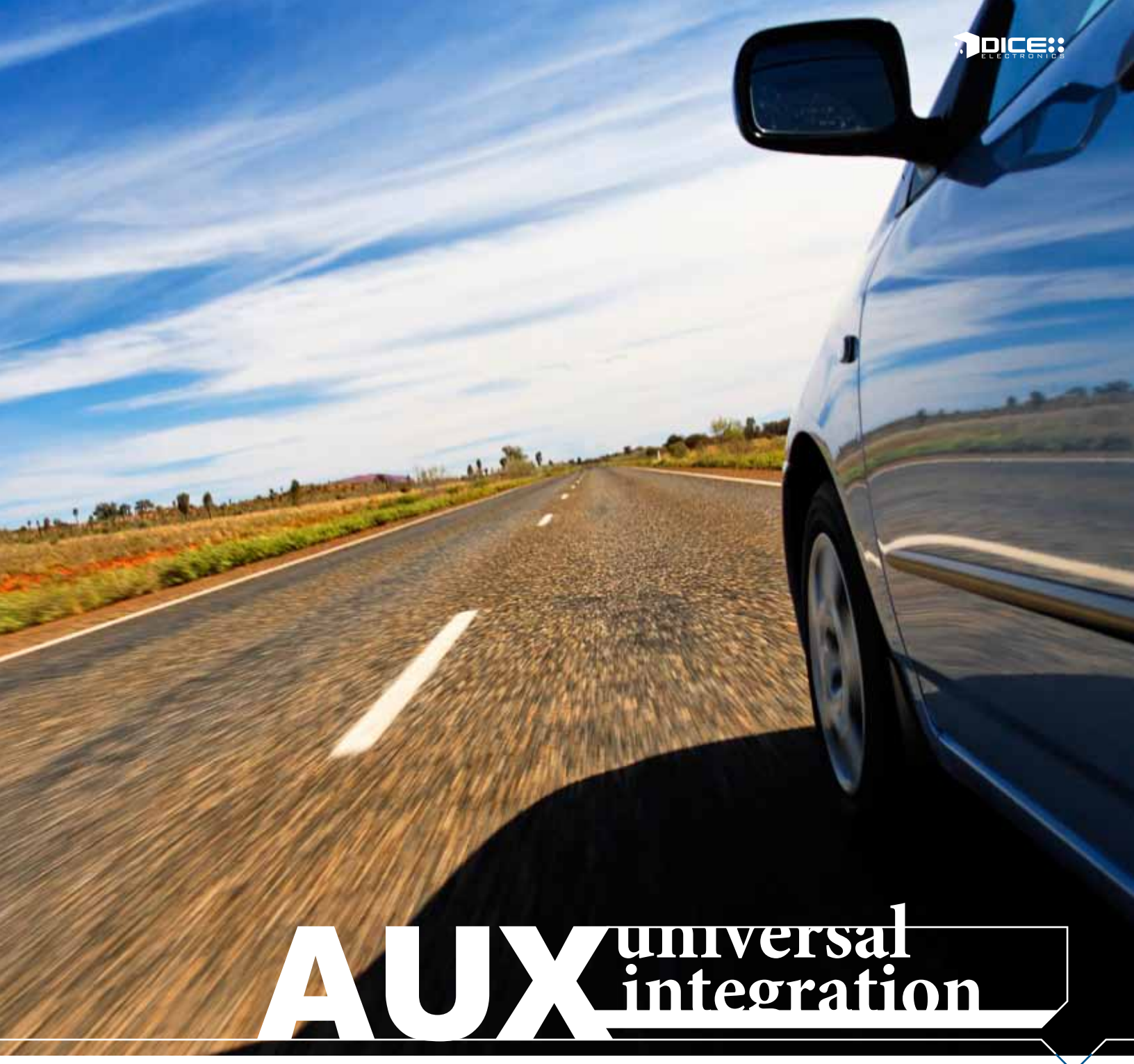


SAT emulation



1. Source selector
2. Press to cycle through Modes 1-6.
3. On selected radios you may use these buttons to select Modes 1-6
4. Press to change track.
5. Turn to change track.
6. Source indicator
7. This text field may not be shown on all radios.

Listen to any portable audio product.



AUX universal integration

The perfect solution for aftermarket head units.

DICE AUX kits target specialty installers who want to have a high quality audio output from an iPod and need an additional AUX input. This product offers an easy upgrade path to customers who use third party vehicle interfaces for SAT radio integration and now want an iPod without losing the existing SAT integration. For users of aftermarket head units featuring direct audio input, this solution delivers rock solid audio from the iPod. The extra AUX port allows the connection of other MP3 players or any other audio device. 5 volt (USB) charge circuitry is built in to support even the latest iPod/iPhone models!

FAQs Before Purchasing the Kit

How is the DICE Aux kit different from the car's factory AUX jack?
The DICE kit offers 5 volt (USB) charge of the iPod, allows for audio level matching / adjustment, and employ isolation amplifiers to remove any digital noise caused by the hard drive and communication.

If my radio system has only a 3.5mm auxiliary input, can I still connect the DICE AUX kit?
Yes, however an additional audio cable is required that connects from RCA output to 3.5mm mini-jack.

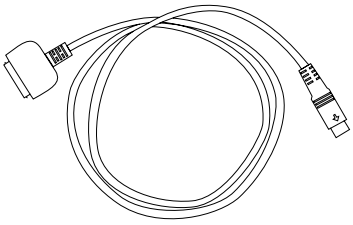
Is there any control offered from the radio?
Volume control must be adjusted from the radio/steering wheel. Other controls are done directly through the iPod.

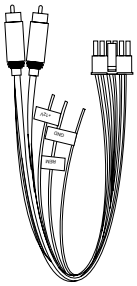
Since all music control is done through the iPod directly, where is the best location for the iPod?
Generally, routing the iPod cable to the center console provides the easiest access to the iPod. However, with our iPod cradle you can have the iPod mounted right on the dash for the simplest accessibility.

Content Identifier

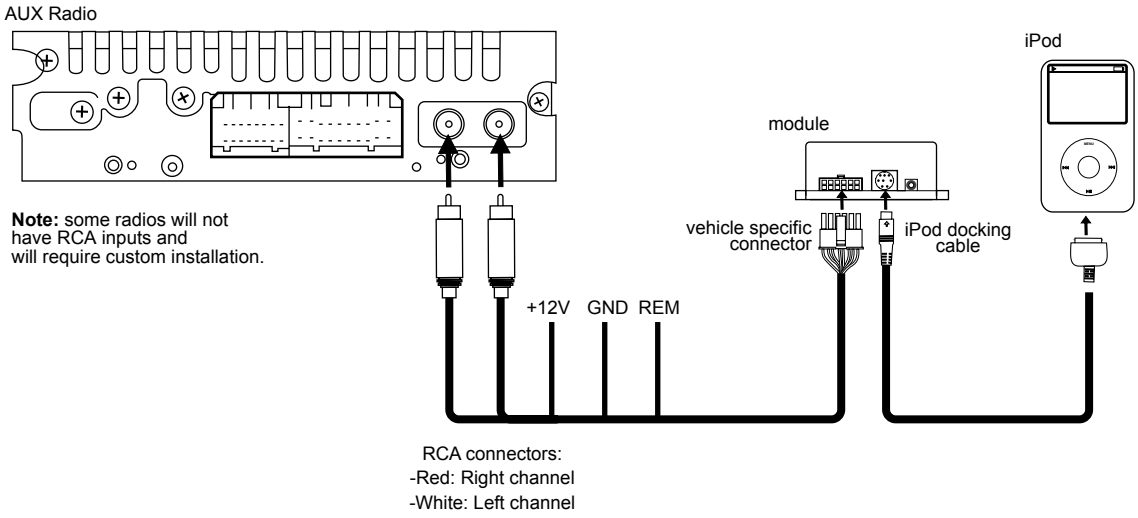
user manual

vehicle specific interface module


iPod docking cable


AUX audio/power cable

Connection Diagram



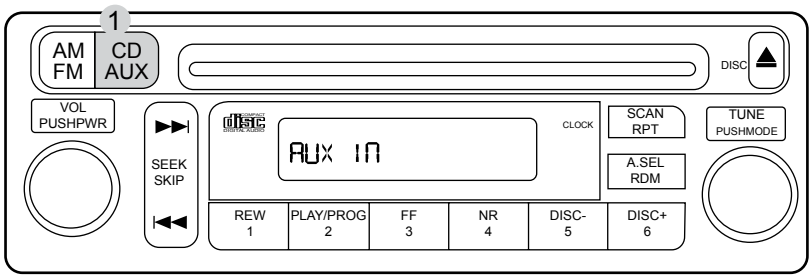
Benefits of the DICE AUX kit

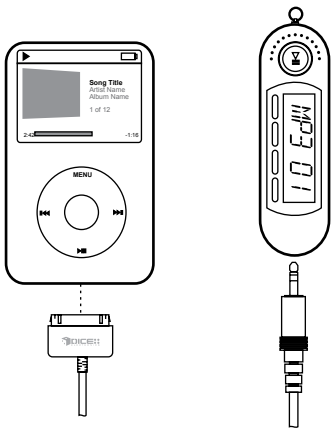
- 5V USB iPod charging is supported as well as the original 12V firewire charging
- Signal conditioning is implemented that removes noise from the iPod
- Connect any other audio device to AUX input
- When the iPod is disconnected, an automatic switch initiates the auxiliary input on the DICE module
- Dual potentiometers are integrated into the DICE module for setting desired iPod and AUX audio levels

Operation Overview

Using the AUX integration

Connect the iPod to the dock cable and select the auxiliary source on the radio. The charging indicator should appear on the iPod and a selected song will start to play. If an additional audio device is connected through the 1/8" mini-jack, it will become active when the iPod is disconnected.



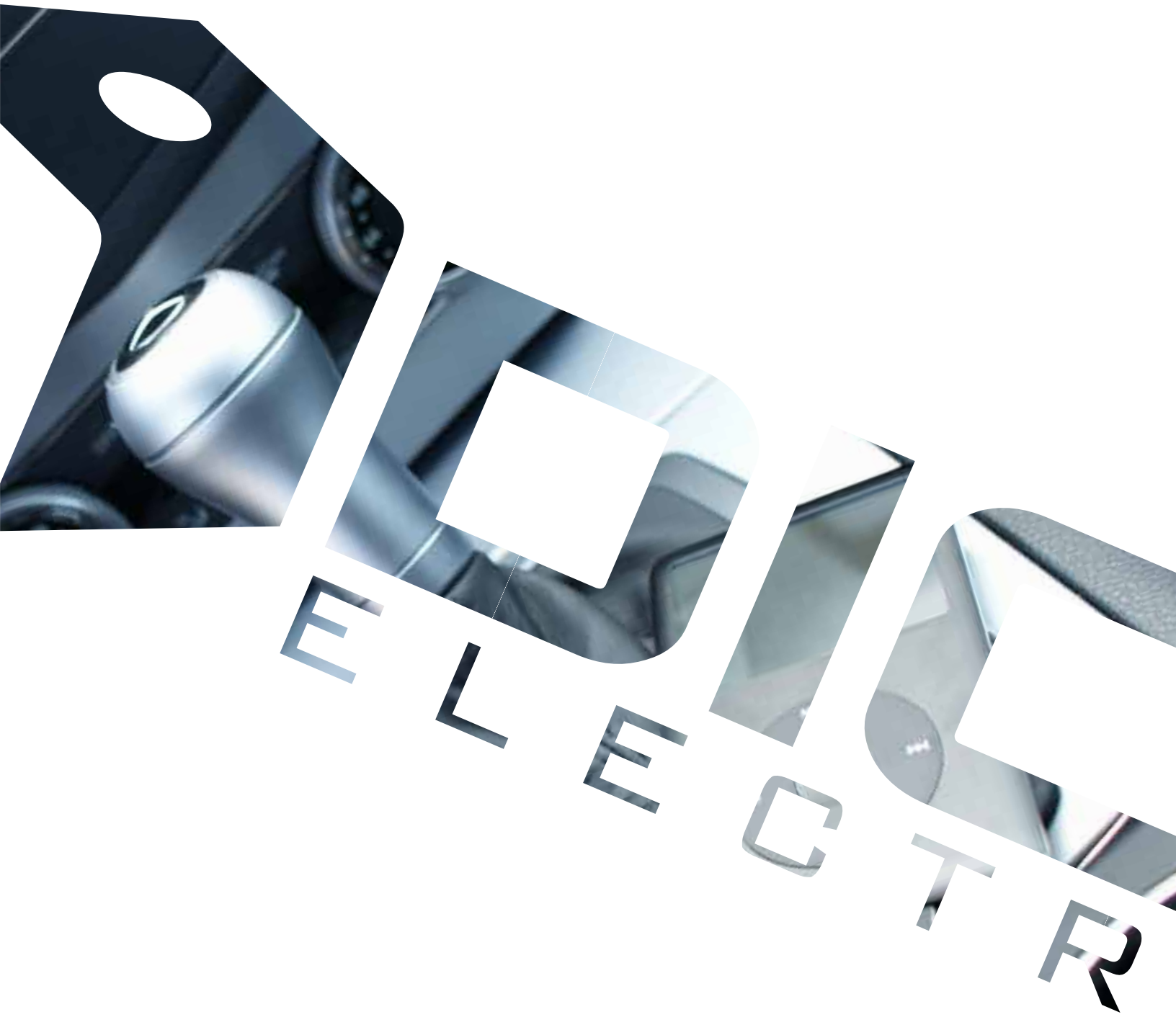


1 AUX source selector

NOTE: Some vehicles require the ignition to be in the on position to provide ACC power. In this case the interface unit will not function until ignition is turned on.

Auxiliary Specific Technical Notes

Problem	Solution
iPod and auxiliary input sound levels are much different.	Adjust sound level through potentiometers on DICE module.
iPod will not stop charging if left connected with the vehicle shut off.	Make sure the ignition wire (REM) is attached to a 12V switched source so that the DICE unit receives a shut-off signal.
Auxiliary device is connected to the 3.5mm mini-jack, but the iPod continues to play.	The iPod must be disconnected for the auxiliary input on the DICE module to be activated.



Move forward with the best connectivity solution.

Yes, it's compatible!

universal integration FM-RDS

No car is left behind, now introducing the NEW FMRDS USB-PRO

We were proud to be the first to introduce a universal integration solutions using FMRDS technology. Now we take it to the next level adding connectivity for USB Flash Drives and SIRIUS Satellite Radio. Add the optional Infrared Remote control for the best universal connectivity experience available. The DICE FMRDS and FMRDS USB Pro kit both feature a fully digital FM transmitter which delivers deeper base and sharper highs. Both wireless and wired connectivity are available.The plug & play kit includes a "self-install" cable that connects to the standard 12V DC outlet of any car. This enables users to enjoy the experience right away! For those craving the ultimate static and interference-free experience, the hardwired "pro-install" cable satisfies their hunger!

FAQs Before Purchasing the Kit

How do I know the DICE FM-RDS can connect to my vehicle's head unit?
If your vehicle's head unit supports FM radio, an antenna connection will be available. Antenna adapters (sold separately) may be required for proper connection.

How can I tell if my radio supports RDS-text?
RDS-capable radios may have an "RDS" logo stamped on the face of it or an RDS button. If neither are present, you can tune to a popular FM station to verify if any RDS information shows up on the display (station name, song/artist names, etc.).

Between the Self-install and Pro-install FM-RDS kits, what reason(s) would I pick one over the other?
With the Self-install, you can plug it into the 12V DC outlet in a matter of seconds! The Pro-install kit offers static-free and interference-free audio and is hidden in the vehicle since it is installed behind the radio.

With the DICE FM-RDS kit, is my regular FM radio affected?
No, you can still use your regular radio and tune through all the stations with the iPod disconnected.

The DICE FMRDS and FMRDS USB-PRO kit are the first to offer static free, hard-wired integration for iPod creating unparalleled audio quality in the market. Both FMRDS & FMRDS USB-PRO kits are compatible with all iPod models and provide text display on RDS capable radios.

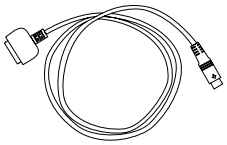
Compatibility	DICE ELECTRONICS		Company 1	Company 2	Company 3
		FMRDS USB-PRO	FMRDS			
iPod mini	✓	✓	✓	✓	✓
iPod nano	✓	✓	✓	✓	✓
iPod nano 2nd	✓	✓	✓	✓	✓
iPod nano 3rd	✓	✓	✓	✓	✓
iPod nano 4th Gen.	✓	✓			
iPod 4th Gen. color	✓	✓	✓	✓	✓
iPod 5th Gen. (video)	✓	✓	✓	✓	✓
iPod Classic	✓	✓		✓	✓
iPod Touch	✓	✓		✓	✓
Feature					
RDS support	✓	✓			
Transmits over the air	✓	✓	✓	✓	✓
Direct wired install	✓	✓			
iPod charging	✓	✓	✓		✓
Optional iPod cradle	✓	✓			
Static free	✓	✓			
Hidden installation	✓	✓		✓	
USB device connection	✓				
iPod remote compatible	✓				
Sirius compatible	✓				
Software updates	✓				

• Comparison data based on products available as of Winter, 2009. Information listed is as-is. DICE Electronics is not responsible for any misprints or the accuracy of the data.

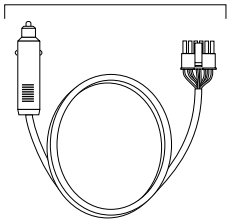
Content Identifier FMRDS

user manual

vehicle specific interface module


iPod docking cable

for Self Install kit:

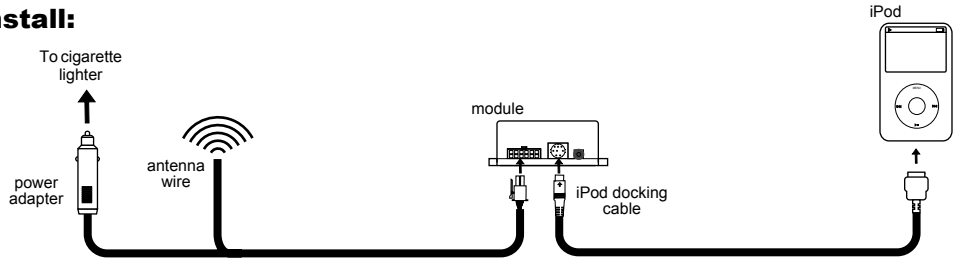

plug and play antenna/ power adapter
(Not available outside US/Canada markets)

for Pro Install kit:

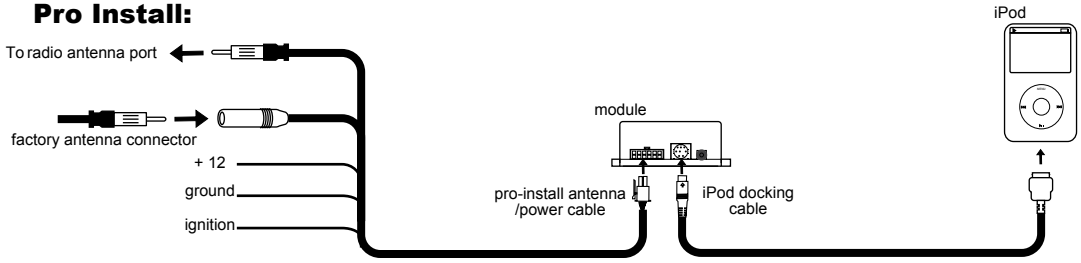
pro-install antenna/power cable

Connection Diagram FMRDS

Self Install:

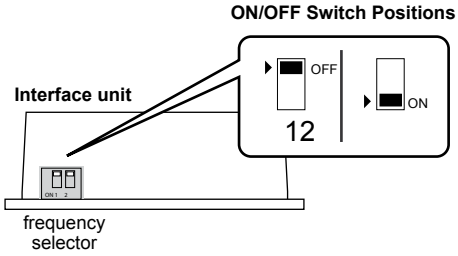


Pro Install:



Installation Tips / Check List FMRDS

Frequency configuration settings:



FM (MHz)D	ip switch 1	Dip switch 2
88.7	OFF	OFF
93.3	ON	OFF
97.5	ON	ON
107.7	OFF	ON

Note:

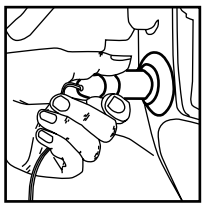
1. Disconnect the vehicle harness from module and cycle ignition off for 5 seconds after changing the switches.
2. Try to select a transmitting frequency that is not occupied by a local FM radio station.

☐ With the Pro-install kit, easy access to 12V constant/switched power can be found at the 12V DC outlet.

☐ If T-taps are being used for splicing power/ground, make sure the correct size T-taps are used so it has good contact with the wiring. Loose wire will cause unexpected operation.

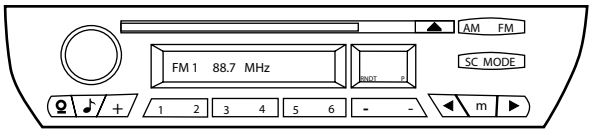
Operation Overview FMRDS

Plug and Play Operation Overview:



1. Plug the power adapter into a cigarette lighter socket.

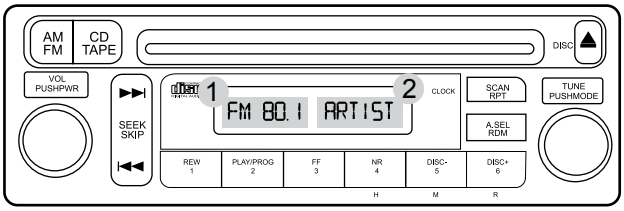
Note: Many radio support RDS/RDBS. Using the FMRDS kit will display song text information, but will not allow radio control.



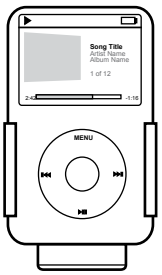
2. Turn on the radio and tune to the FM frequency that was selected on the module. Connect the iPod to the dock cable. Select and start to play a song and the music should now be playing through the factory radio.

Pro-install Operation Overview:

Select the FM radio source on the radio and tune to the frequency that was selected on the interface unit. As soon as the radio is tuned to the appropriate frequency, audio from the iPod will be heard.



1. FM frequency
2. RDS text



About RDS:

Radios with RDS capability allow the currently playing song title and artist name to be displayed on the screen of the radio. To find out if a radio has RDS, tune to a popular radio station and if the station name is displayed then the radio has RDS capability.

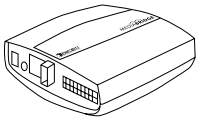
FM-RDS Universal Integration Specific Technical Notes FMRDS

Problem	Solution
With the pro-install kit, I get static on any of the selected presets.	The vehicle's ignition may need to be started to supply power to the DICE unit. If there is still static, try another 12V power source.
The iPod will not stop charging if I leave it connected and shut off my vehicle.	Make sure the Ignition wire (IGN) is attached to a 12V switched source so that the DICE unit is receiving a shut-off signal.
With the self-install kit, is there any way to reduce static or interference?	Try relocating or adjusting the position of the DICE module/antenna closer to the factory antenna.

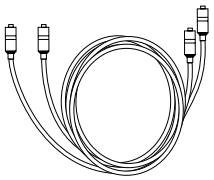
Content Identifier FMRDS USB-PRO

for Pro Install kit:

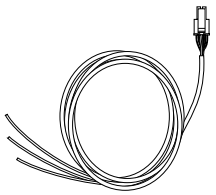
user manual



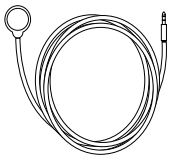
FMRDS USB-PRO module



pro-install antenna cable adapters

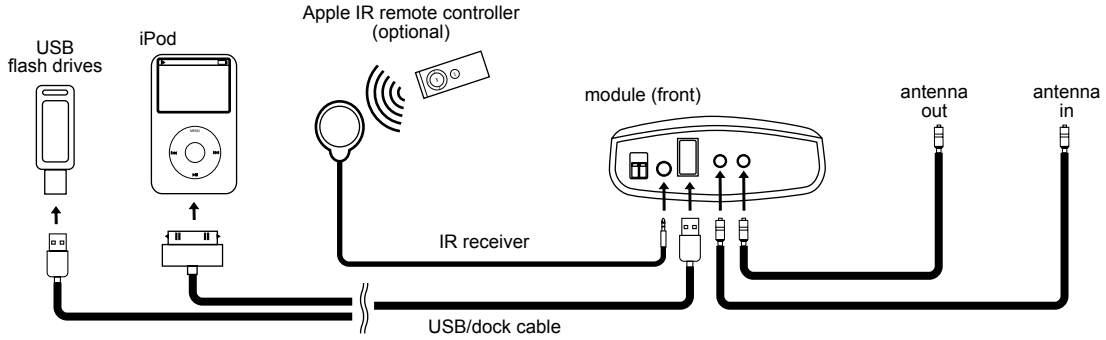


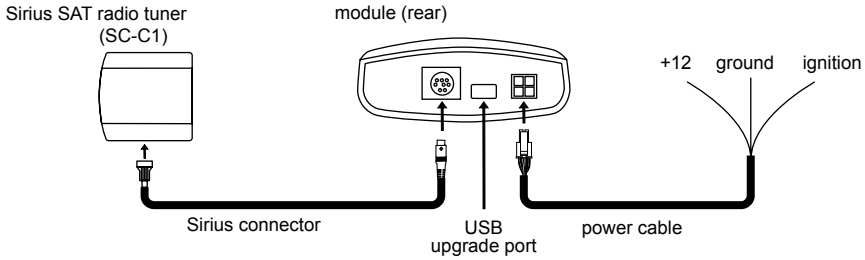
pro-install power cable



IR receiver

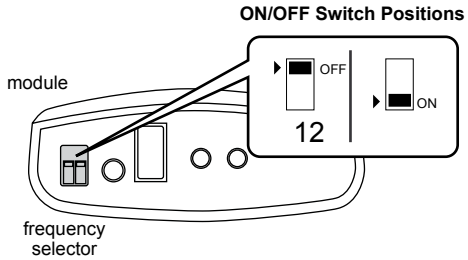
Connection Diagram FMRDS USB-PRO





Installation Tips / Check List FMRDS USB-PRO

Frequency configuration settings:



FM (MHz)D	ip switch 1	Dip switch 2
88.7	OFF	OFF
93.3	ON	OFF
97.5	ON	ON
107.7	OFF	ON

Note:

1. Disconnect the vehicle harness from module and cycle ignition off for 5 seconds after changing the switches.
2. Try to select a transmitting frequency that is not occupied by a local FM radio station.

☐ With the Pro-install kit, easy access to 12V constant/switched power can be found at the 12V DC outlet.

☐ If T-taps are being used for splicing power/ground, make sure the correct size T-taps are used so it has good contact with the wiring. Loose wire will cause unexpected operation.

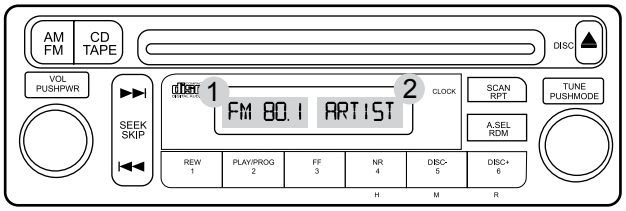
Operation Overview FMRDS USB-PRO

Pro-install Operation Overview:

Select the FM radio source on the radio and tune to the frequency that was selected on the interface unit. As soon as the radio is tuned to the appropriate frequency, audio from the iPod will be heard.

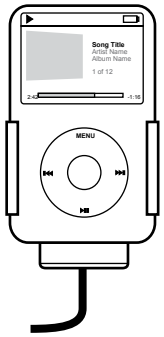
About RDS (Radio Data System):

Radios with RDS capability allow the currently playing song title and artist name to be displayed on the screen of the radio. To find out if a radio has RDS, tune to a popular radio station and if the station name is displayed then the radio has RDS capability.



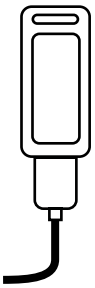
1. FM frequency
2. RDS text

Pro-install iPod Operation Overview:



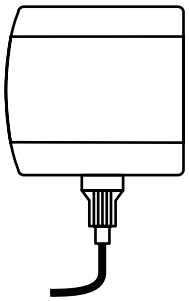
- Connect your iPod
- Playback music, the module will send Artist/Album/Song information to RDS text field on radio.
- Control music from iPod
  or
- Use the optional Apple remote to control and change tracks and playlist.

Pro-install USB device Operation Overview:

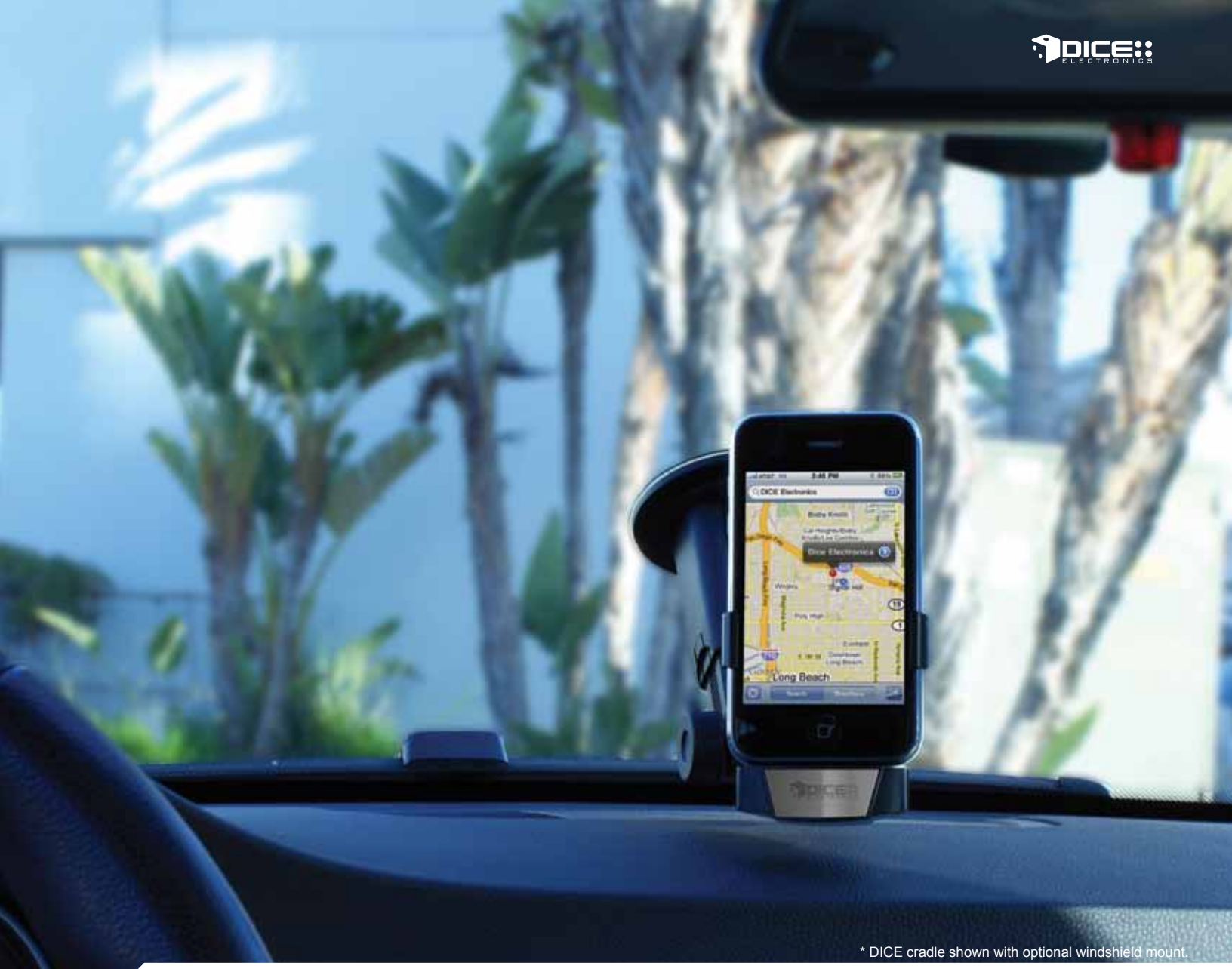


- Connect your USB device
- Automatically play songs in random mode.
- The module will send Artist/Album/Song information to RDS text field on radio.
- Use the optional Apple remote to control and change tracks and folders.

Pro-install Sirius Operation Overview:



- Connect your Sirius SC-C1 device
- Enjoy hundreds of your factory channels.
- The module will send Channel information to RDS text field on radio.
- Use the optional Apple remote to control and change stations and categories.
  *Must be purchased separately.



* DICE cradle shown with optional windshield mount.

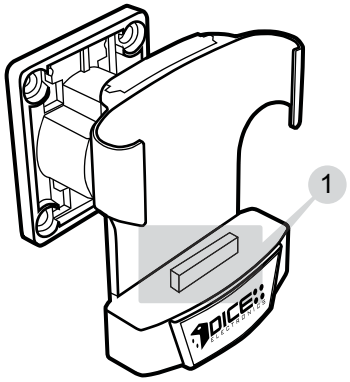
ACCESSORY

The Absolute Best Mounting Cradle for iPod and iPhone.

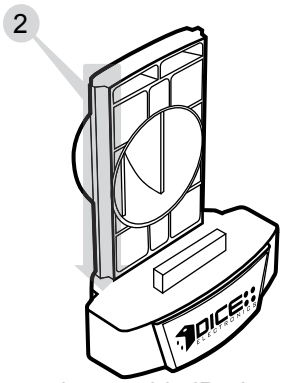
The new DICE Electronics G2 Cradle is designed with features that enhance the experience of all current iPod and iPhone models as well as the iPod Classic and iPod Touch. The interchangeable holders perfectly support specific models of iPod or iPhone with a built in dock connector that provides five (5) volt charging[1], a universal connection to any vehicle integration kit as well as audio video output[2] to any rear-seat entertainment system.

Note:
1. 5 volt charging may depend on cradle version & existing iPod kit.
2. Video output on DCR-100, DCR-150 & DCR-200 only.

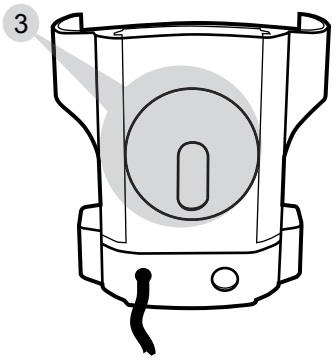
G2 Cradle for iPod



1 Built in Apple approved dock connector provides a quick connection with line level audio output and can be installed with a minimum amount of exposed cables.

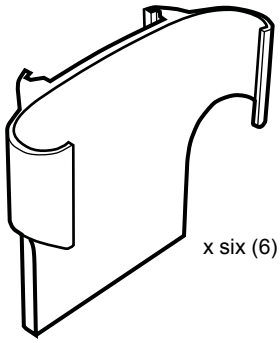


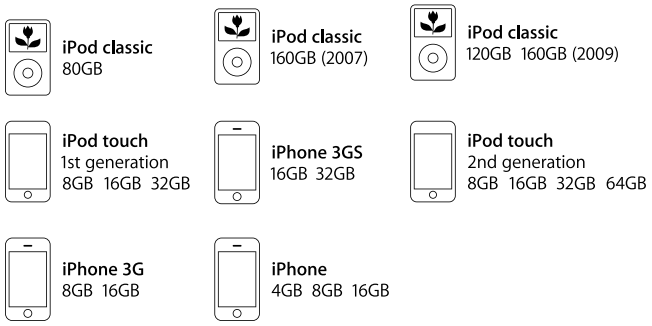
2 Interchangeable iPod and iPhone holders easily slide on and off on the sturdy rail mount. This is a great feature for those who have multiple one iPod or iPhone models.



3 The DICE G2 cradle can be mounted almost anywhere thanks to its unique ball and cup mount solution. Included are long and short mounting bases with AMPS and iGrip mounting patterns.

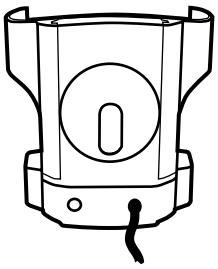
Selection of Holder





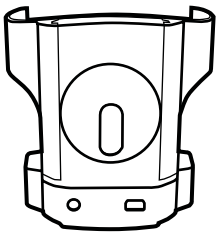
Each cradle includes 6 unique holders to fit the iPod Classic, iPod touch and all iPhone models. This provides a secure grip on the iPod without blocking any part of the screen. The holders align each ipod perfectly with the dock connector preventing any damage to the iPod/iPhone or the cradle.

Variations



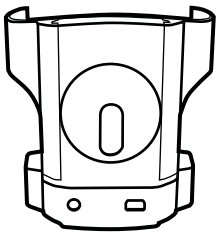
DCR-100

- For use with DICE integration kits with mini-DIN connector (non-USB).
- A/V output can be connected to monitors, DVD players and more.
- Not compatible with MEDIABRIDGE



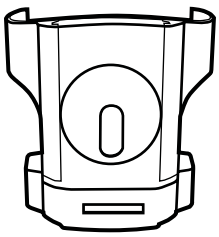
DCR-150

- Compatible with MEDIABRIDGE
- Connect to any USB based iPod integration kits.
- A/V output when used with MEDIABRIDGE
- Not compatible with Silverline & regular (non-USB) iPod integration kits.



DCR-200

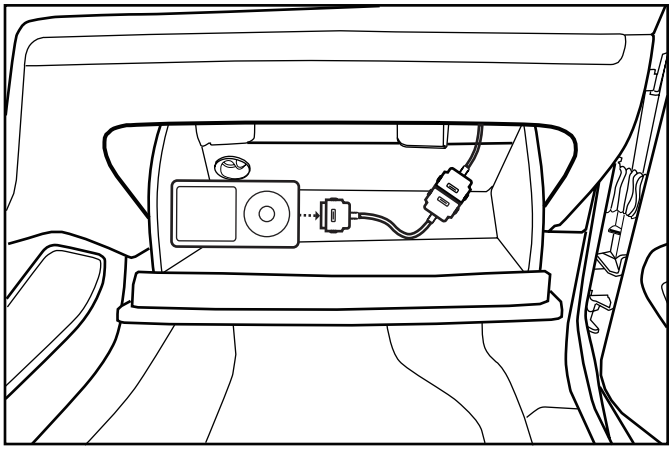
- Charges iPod through 12V cigarette lighter adapter or USB connection.
- A/V output can be connected to monitor, DVD players and more.



DCR-300

- 12V to 5V power converter
- For use with any iPod docking device such as car integration kits.
- Female pass through connection connects to existing iPod kit.
- Works the same way as 5V power cable, described on the next page.

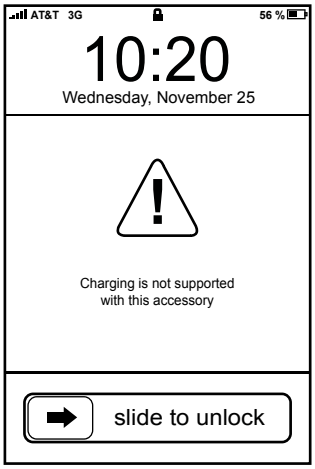
5 Volt power cable



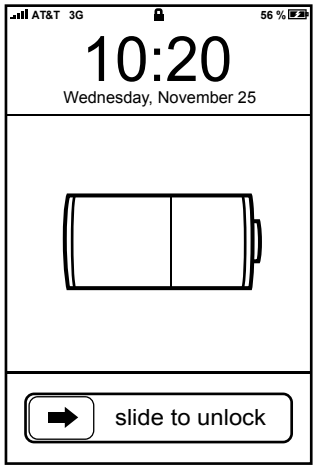
iPod models requiring 5V charging:

- **iPod touch** 2nd generation 8GB 16GB 32GB 64GB
- **iPhone 3G** 8GB 16GB
- **iPhone 3GS** 16GB 32GB
- **iPod nano** 4th generation (video) 8GB 16GB
- **iPod nano** 5th generation (video camera) 8GB 16GB

Select aftermarket and factory iPod integration kits provide 12 Volt (firewire) charging only which is not supported by newer iPod models. Connecting the 5 Volt power cable will provide charging support for all newer iPod models.
NOTE: All new DICE integration kits support 5V charging and part is not required.

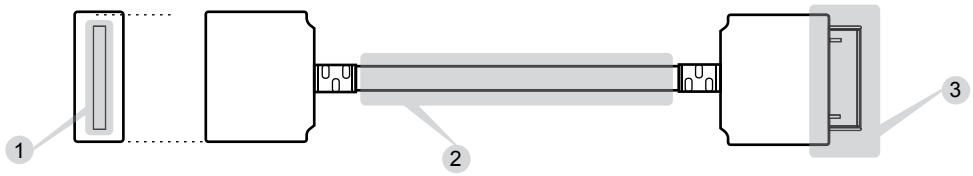


Screen of iPod shown with unsupported charging device



Screen of iPod shown after 5V cable is connected and charging feature is enabled

Contents



1. Female 30-pin iPod dock connector accepts any male iPod dock connector cable.
2. A short length of cable designed into this adapter relieves any mechanical stress on the sensitive dock connectors.
3. Once the iPod is connected through the adapter charging is now functional.

Connected solutions enhance the iPod experience.

In the end, DICE leaves the competition behind!

Authorized Dealer

DICE ELECTRONICS

www.diceelectronics.com | 888.342.3999

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